The HIMALAYAN DATABASE

The Expedition Archives of Elizabeth Hawley

Program Guide for Windows

Himal 2.4

Appendix H: Analyses

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The Himalayan Database

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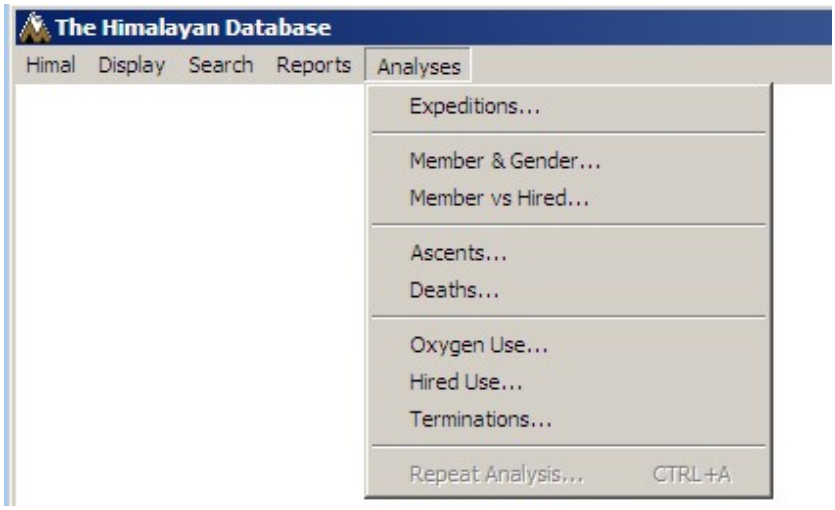
Appendix H: Analyses

The commands in the **Analyses** menu provide aggregate information on the expeditions and members in the database (whereas the commands in the Reports menu provide information mostly on individual expeditions and members).



Analyses can be performed on expeditions, members, ascents, deaths, oxygen use, hired use, or combinations thereof.

For each type of analysis, the data can be analyzed in a multitude of ways:

(1) by groups of peaks within altitude ranges

(2) by expeditions with a range of years or seasons

(3) by gender, age, and citizenship

(4) by members or hired personnel only, or both

The analysis output can be either printed or exported as an Excel spreadsheet. Often the Excel exports contain more data fields than the printed output due to the space constrictions of the printed page.

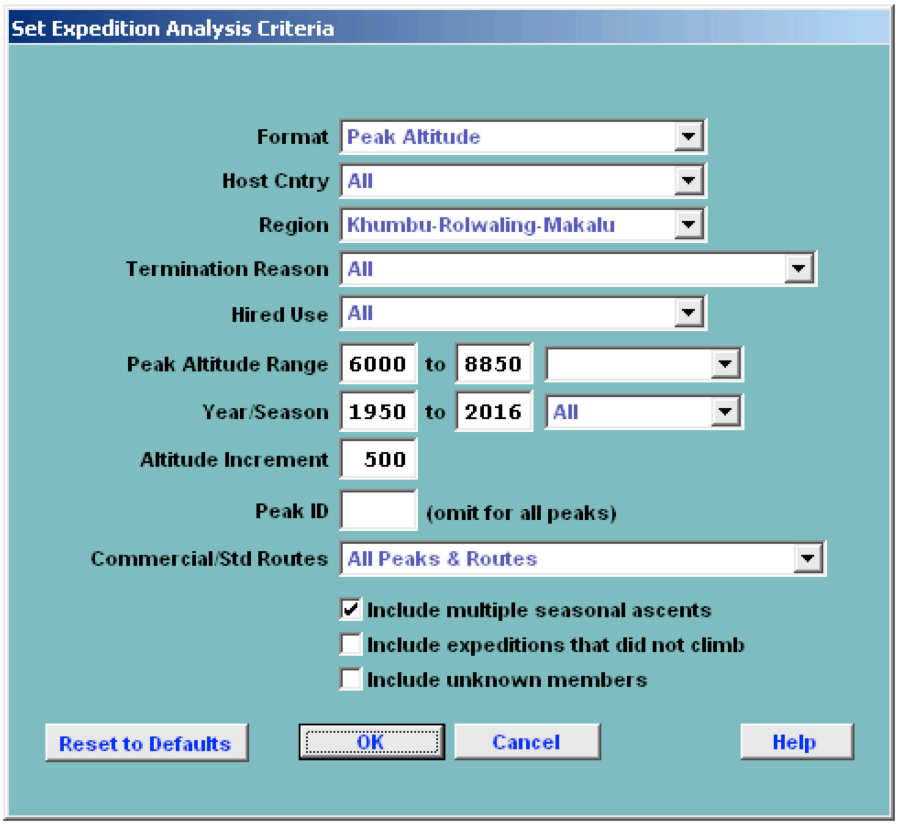
The most recent analysis can be repeated by selecting Repeat Analysis from the Analyses menu. The previous analysis dialog box will appear with the last set of selected options, which can then be modified. This can be very useful when running a series of analyses where only one or two options are to be varied.

Expedition Analysis

The expedition analysis analyzes climbing by teams, members (total members and members above base camp), and hired personnel above base camp. Success and death rates are given for each category, and expedition duration (average number of days for all expeditions, average number of days for successful

expeditions, and average number of days to first summit) is given in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Expedition analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season

Host Cntry
- All
- Nepal
- China
- India

Region – geographical peak region
- All
- Kangchenjunga-Janak
- Khumbu-Rolwaling-Makalu
- Langtang-Jugal
- Manaslu-Ganesh
- Annapurna-Damodar-Peri
- Dhaulagiri-Mukut
- Kanjiroba-Far West
- Combinations

Termination Reason
- All
- Success (Main Peak)
- Success (Subpeak)
- Success (Claimed)
- Bad Weather (Storms, High Winds)
- Bad Conditions (Deep Snow, Avalanches)
- Accident (Death or Serious Injury)
- Illness, AMS, Exhaustion, or Frostbite
- Lack of Supplies or Equipment
- Lack of Time
- Route Too Difficult, Lack of Strength
- Did not reach BC
- Did not attempt Climb
- Attempt rumored
- Other
- Combinations

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year Increment

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). No increment is available for Season.

Peak ID

Commercial/Std Routes
- All Peaks & Routes
- Exclude AMCE Commercial Routes
- Include only AMCE Commercial Routes
- Exclude AMCE Non-Commercial Routes
- Include only AMCE Non-Commercial Routes
- Exclude AMCE Peaks (All Routes)
- Include only AMCE Peaks (All Routes)
- Exclude 8000m Standard Routes
- Include only 8000m Standard Routes

The AMCE peaks are:
- Ama Dablam
- Manaslu
- Cho Oyu

Everest

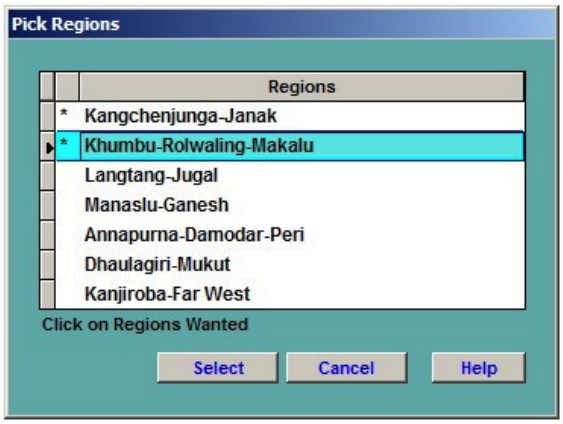
The AMCE commercial routes are:

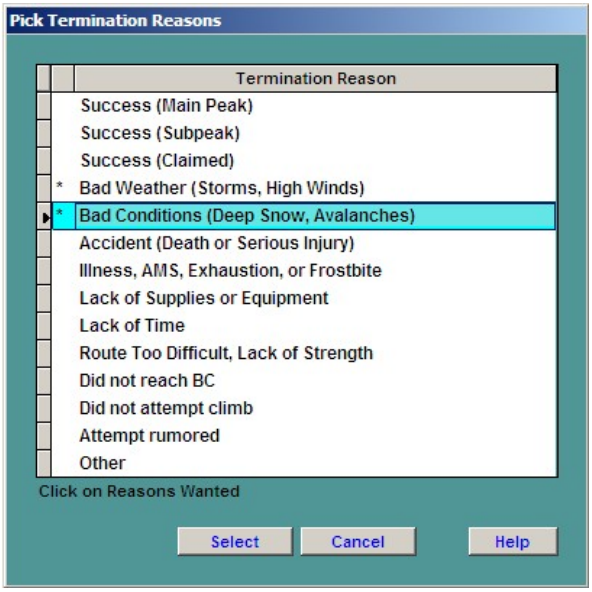
AMAD - SW Ridge
MANA - NE Face
CHOY - NW Ridge
EVER - S Col-SE Ridge, N Col-NE Ridge

The 8000m standard routes are:

KANG - SW Face
MAKA - Makalu La-NW Ridge
LHOT - W Face
EVER - S Col-SE Ridge, N Col-NE Ridge
CHOY - NW Ridge
MANA - NE Face
ANN1 - N Face
DHA1 - NE Ridge

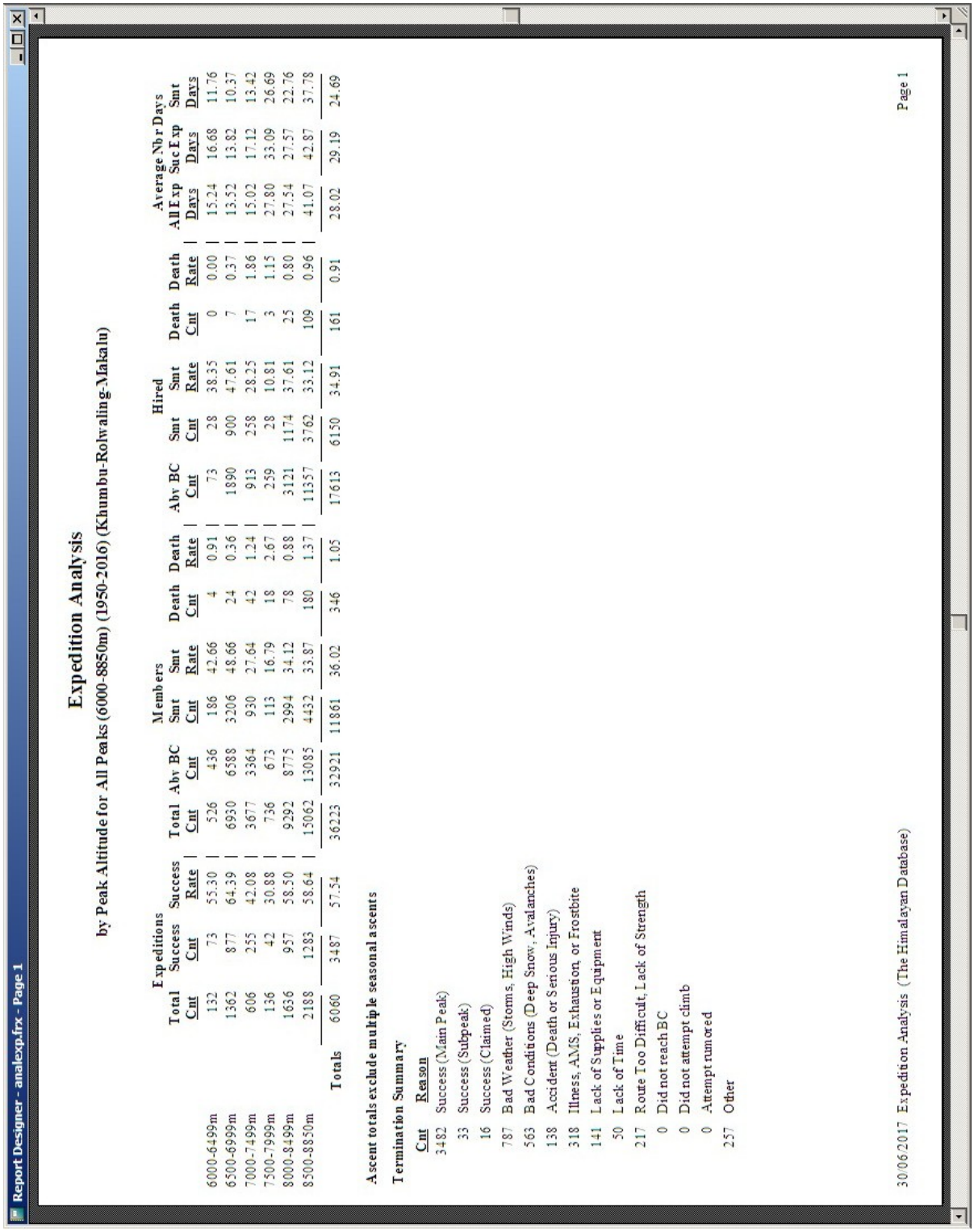
Combinations (multiple selections) can be made for the Region and Termination Reason criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items. In two examples below, Kangchen-junga and Khumbu, and Bad Weather and Bad Conditions are selected.





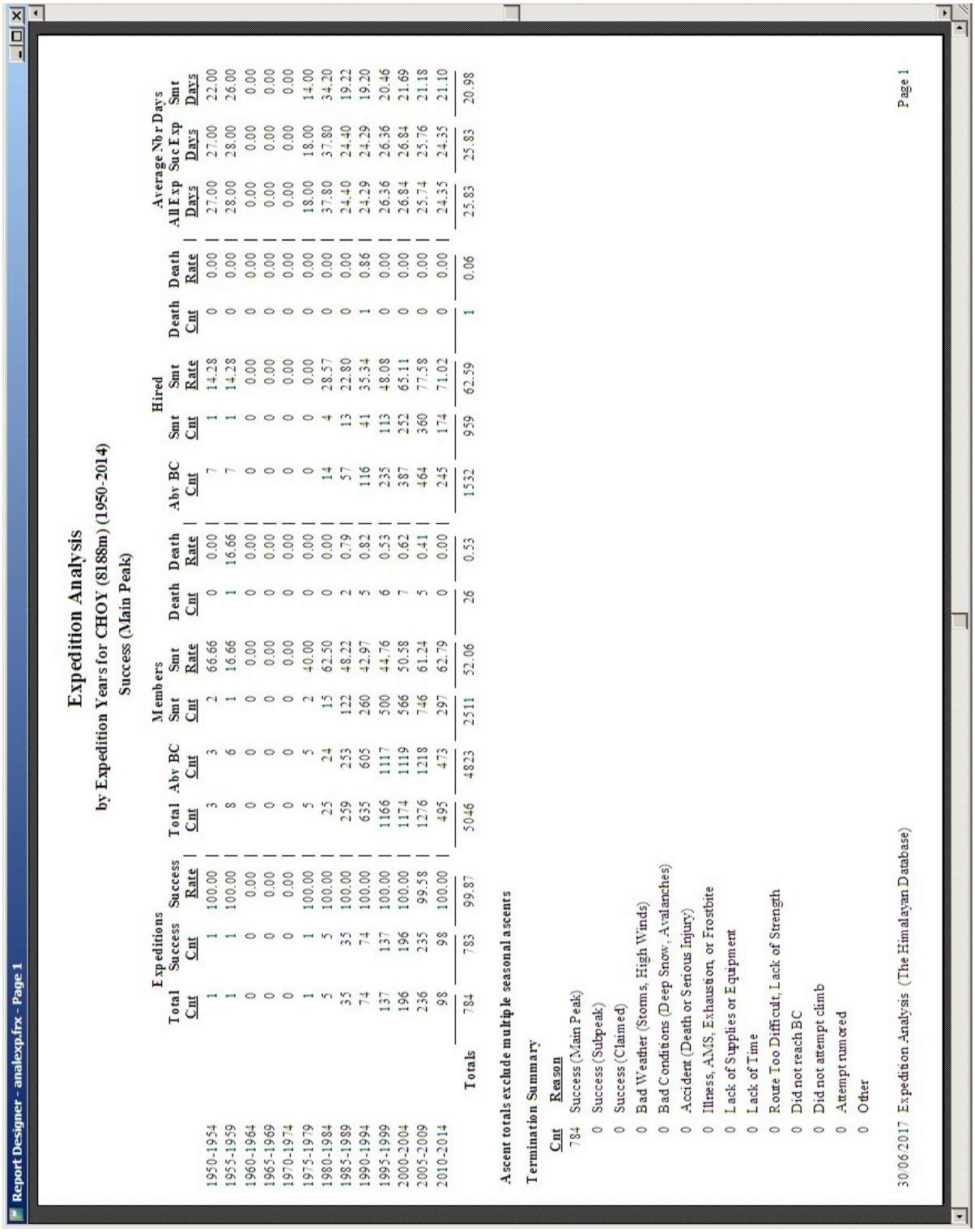
The following pages show the printed results from the analysis. You may adjust the size of the preview screen on your monitor by using the standard resize boxes on the report window or the Zoom button in the Print Preview box at the top of the report. The navigation buttons in the Print Preview box allow you to page through a multipage report.

When you are finished looking at the preview, close the preview screen by clicking the close box in the upper right corner of the report window. From the Select Output Option box, you can then print the analysis output, preview again, or create an Excel spreadsheet file:



Expedition Analysis Output – By Peak Altitudes

The above example analyzes all expeditions in the Khumbu-Rolwaling-Makalu region from 1950 through 2016 for all peaks from 6000m to 8850m by peak altitude in 500m increments.



Report Designer - analexp.frx - Page 1

Expedition Analysis

by Expedition Years for CHOY (8188m) (1950-2014)

Success (Main Peak)

	Expeditions			Members						Hired			Average Nbr Days		
	Total	Success	Success	Total	Abv BC	Smt	Smt	Death	Death	Abv BC	Smt	Smt	Death	All Exp	Suc Exp	Smt
	Cnt	Cnt	Rate	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Rate	Rate	Days	Days	Days
1950-1954	1	1	100.00	3	3	2	66.66	0	0.00	7	1	14.28	0.00	27.00	27.00	22.00
1955-1959	1	1	100.00	8	6	1	16.66	1	16.66	7	1	14.28	0.00	28.00	28.00	26.00
1960-1964	0	0	0.00	0	0	0	0.00	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00
1965-1969	0	0	0.00	0	0	0	0.00	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00
1970-1974	0	0	0.00	0	0	0	0.00	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00
1975-1979	1	1	100.00	5	5	2	40.00	0	0.00	0	0	0.00	0.00	18.00	18.00	14.00
1980-1984	5	5	100.00	25	24	15	62.50	0	0.00	14	4	28.57	0.00	37.80	37.80	34.20
1985-1989	35	35	100.00	259	253	122	48.22	2	0.79	57	13	22.80	0.00	24.40	24.40	19.22
1990-1994	74	74	100.00	635	605	260	42.97	5	0.82	116	41	35.34	0.86	24.29	24.29	19.20
1995-1999	137	137	100.00	1166	1117	500	44.76	6	0.53	235	113	48.08	0.00	26.36	26.36	20.46
2000-2004	196	196	100.00	1174	1119	566	50.58	7	0.62	387	252	65.11	0.00	26.84	26.84	21.69
2005-2009	236	235	99.58	1276	1218	746	61.24	5	0.41	464	360	77.58	0.00	25.74	25.76	21.18
2010-2014	98	98	100.00	495	473	297	62.79	0	0.00	245	174	71.02	0.00	24.35	24.35	21.10
Totals	784	783	99.87	5046	4823	2511	52.06	26	0.53	1532	959	62.59	0.06	25.83	25.83	20.98

Ascent totals exclude multiple seasonal ascents

Termination Summary

Cnt	Reason
784	Success (Main Peak)
0	Success (Subpeak)
0	Success (Claimed)
0	Bad Weather (Storms, High Winds)
0	Bad Conditions (Deep Snow, Avalanches)
0	Accident (Death or Serious Injury)
0	Illness, AMS, Exhaustion, or Frostbite
0	Lack of Supplies or Equipment
0	Lack of Time
0	Route Too Difficult, Lack of Strength
0	Did not reach BC
0	Did not attempt climb
0	Attempt rumored
0	Other

30.06.2017 Expedition Analysis (The Himalayan Database) Page 1

Expedition Analysis Output – By Expedition Years

The above example analyzes all expeditions to Cho Oyu from 1950 through 2014 in 5-year increments.

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Expedition Analysis

by Seasons for EVER (8850m) (1990-2016)

	Expeditions			Members						Hired				Average Nbr Days		
	Total Cnt	Success Cnt	Success Rate	Total Cnt	Abv BC Cnt	Smt Cnt	Smt Rate	Death Cnt	Death Rate	Abv BC Cnt	Smt Cnt	Smt Rate	Death Cnt	Death Rate	All Exp Days	Suc Exp Days	Smt Days
Spring	1504	996	66.22	9367	7993	3672	45.94	102	1.27	7526	3458	45.94	53	0.70	40.76	43.37	38.24
Summer	10	0	0.00	54	51	0	0.00	0	0.00	17	0	0.00	0	0.00	48.57	0.00	0.00
Autumn	139	34	24.46	1114	982	106	10.79	9	0.91	623	65	10.43	9	1.44	39.88	41.35	36.91
Winter	7	1	14.29	65	55	6	10.90	0	0.00	83	0	0.00	1	1.20	46.85	44.00	35.00
Totals	1660	1031	62.10	10600	9081	3784	41.66	111	1.22	8249	3523	42.70	63	0.76	40.75	43.30	38.20

Ascent totals exclude multiple seasonal ascents

Termination Summary

Cnt	Reason
1029	Success (Main Peak)
1	Success (Subpeak)
2	Success (Claimed)
208	Bad Weather (Storms, High Winds)
59	Bad Conditions (Deep Snow, Avalanches)
31	Accident (Death or Serious Injury)
101	Illness, AMS, Exhaustion, or Frostbite
40	Lack of Supplies or Equipment
7	Lack of Time
32	Route Too Difficult, Lack of Strength
0	Did not reach BC
0	Did not attempt climb
0	Attempt rumored
145	Other

30/06/2017 Expedition Analysis (The Himalayan Database)

Page 1

Expedition Analysis Output – By Seasons

The above example analyzes all expeditions to Everest from 1990 through 2016 by season.

Report Designer - analexp.frx - Page 1

Expedition Analysis

by Expedition Years for EVER (8850m) (2007-2016)

Success (Main Peak)

	Expeditions			Members						Hired				Average Nbr Days		
	Total	Success	Success	Total	Abv BC	Smt	Smt	Death	Death	Abv BC	Smt	Smt	Death	Death	All Exp	Suc Exp	Smt
	Cnt	Cnt	Rate	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Rate	Cnt	Rate	Days	Days	Days
2007	73	73	100.00	527	488	314	64.34	4	0.82	455	297	65.27	0	0.00	40.05	40.05	33.56
2008	49	49	100.00	365	353	231	65.43	1	0.28	279	195	69.89	0	0.00	43.35	43.35	39.33
2009	55	55	100.00	370	340	230	67.64	2	0.58	347	229	65.99	1	0.28	40.00	40.00	34.72
2010	70	70	100.00	427	390	256	65.64	3	0.76	418	272	65.07	0	0.00	42.07	42.07	36.83
2011	65	65	100.00	383	360	250	69.44	2	0.55	414	275	66.42	0	0.00	37.69	37.69	32.17
2012	69	69	100.00	435	420	276	65.71	7	1.66	428	276	64.48	2	0.46	42.82	42.82	37.01
2013	70	70	100.00	458	440	306	69.54	3	0.68	532	349	65.60	4	0.75	37.64	37.64	33.64
2014	11	11	100.00	78	71	54	76.05	0	0.00	95	74	77.89	0	0.00	41.90	41.90	37.40
2015	0	0	0.00	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0.00	0.00	0.00
2016	71	71	100.00	436	417	311	74.58	5	1.19	448	352	78.57	0	0.00	36.01	36.01	31.75
Totals	533	533	100.00	3479	3279	2228	67.94	27	0.82	3416	2319	67.88	7	0.20	39.91	39.91	34.79

Ascent totals exclude multiple seasonal ascents

Termination Summary

Cnt	Reason
533	Success (Main Peak)
0	Success (Subpeak)
0	Success (Claimed)
0	Bad Weather (Storms, High Winds)
0	Bad Conditions (Deep Snow, Avalanches)
0	Accident (Death or Serious Injury)
0	Illness, AMS, Exhaustion, or Frostbite
0	Lack of Supplies or Equipment
0	Lack of Time
0	Route Too Difficult, Lack of Strength
0	Did not reach BC
0	Did not attempt climb
0	Attempt rumored
0	Other

30/06/2017 Expedition Analysis (The Himalayan Database) Page 1

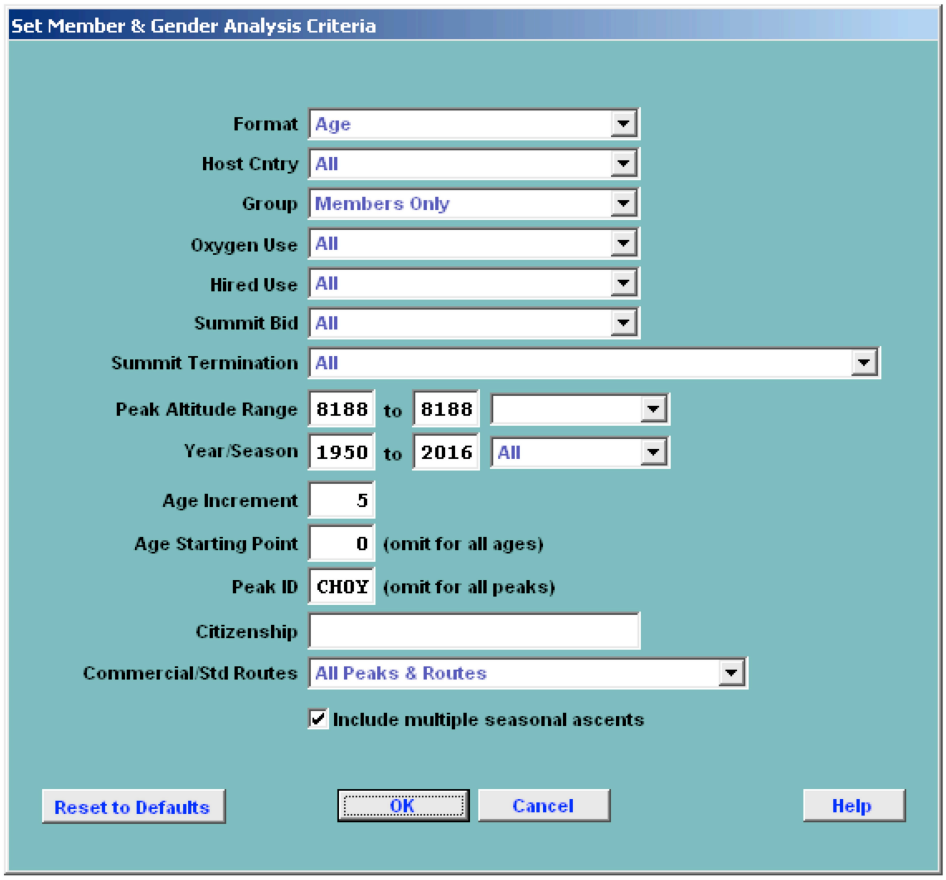
Expedition Analysis Output – Successful Expeditions

The above example analyzes all successful expeditions to Everest from 2007 through 2016 (ten years) in 1-year increments.

Member & Gender Analysis

The member and gender analysis analyzes climbing by members above base camp. Success and death rates broken out by gender are given in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Member & Gender analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship

Host Cntry
- All
- Nepal
- China
- India

Group
- Members Only
- Hired Only
- Members & Hired

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC
- Unknown Hired Used Above BC

Summit Bid
- All
- No summit bid
- Aborted below high camp
- Aborted at high camp
- Aborted above high camp
- Successful bid
- Combinations

Summit Termination
- All
- Success
- Success (Subpeak)
- Bad Weather (Storms, High Winds)
- Bad Conditions (Deep Snow, Avalanches, Falling Rock/Ice)
- Accident (Death or Injury to Self or Others)
- Altitude (AMS Symptoms, Breathing or Unwell)
- Exhaustion, Fatigue, Weakness or Lack of Motivation
- Frostbite, Snowblindness or Coldness
- Other Illnesses or Pains
- Lack of Supplies/Support or Equipment Problems
- O2 System Failure
- Route Difficulty, Intimidation or Insufficient Ability
- Too Late in Day or Too Slow
- Assisting, Guiding, Supporting or Accompanying Others
- Route/Camp Preparation or Fixing Rope
- Insufficient Time Left for Expedition
- Did Not Climb or Intend to Smt
- Other
- Unknown
- Combinations

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition

Year format is chosen, a year step increment may be selected (the default is 5 years). When the Age format is chosen, an age step increment and starting point may be selected (the default is 5 years). No increments are available for the Season and Citizenship formats.

Order & Minimum Above BC

When the Citizenship format is chosen, the output order may be sorted by one of the orders below (the default is Country Name).

- Country Name
- Members Above BC
- Ascents
- Ascent Rate
- Deaths
- Death Rate

The output may be limited to nations with "n" members above BC.

Peak ID

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Summit Bid and Summit Termination criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.

Report Designer - analgendr.frx - Page 1

Member & Gender Analysis

by Age for CHOY (8188m) (1950-2016)

Members Only

	Members Above BC				Ascents				Deaths			
	Total	Male	Female	Total	Male		Female		Total		Male	Female
	Cnt	Cnt	Cnt	Cnt Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Cnt Rate
Unknown	158	147	11	79 50.00	74	50.34	5	45.45	1	0.63	0	1 9.09
10-14 yrs	3	2	1	0 0.00	0	0.00	0	0.00	0	0.00	0	0 0.00
15-19 yrs	20	16	4	7 35.00	6	37.50	1	25.00	0	0.00	0	0 0.00
20-24 yrs	256	221	35	106 41.40	88	39.81	18	51.42	2	0.78	2	0 0.00
25-29 yrs	805	693	112	328 40.74	278	40.11	50	44.64	4	0.49	3	1 0.89
30-34 yrs	1182	1050	132	475 40.18	418	39.81	57	43.18	4	0.33	4	0 0.00
35-39 yrs	1284	1140	144	547 42.60	489	42.89	58	40.27	10	0.77	10	0 0.00
40-44 yrs	1064	947	117	416 39.09	378	39.91	38	32.47	5	0.47	4	1 0.85
45-49 yrs	830	732	98	309 37.22	276	37.70	33	33.67	2	0.24	2	0 0.00
50-54 yrs	621	571	50	179 28.82	165	28.89	14	28.00	6	0.96	6	0 0.00
55-59 yrs	336	311	25	97 28.86	88	28.29	9	36.00	3	0.89	3	0 0.00
60-64 yrs	173	157	16	60 34.68	50	31.84	10	62.50	0	0.00	0	0 0.00
65-69 yrs	44	39	5	16 36.36	14	35.89	2	40.00	0	0.00	0	0 0.00
70-74 yrs	21	20	1	6 28.57	5	25.00	1	100.00	1	4.76	1	0 0.00
Totals	6797	6046	751	2625 38.62	2329	38.52	296	39.41	38	0.55	35	3 0.39

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Death totals include only those who went above BC

Summit Bid Summary

Cnt	Type
1577	No summit bid
242	Aborted below high camp
440	Aborted at high camp
797	Aborted above high camp
2626	Successful bid
1115	Unspecified

Average Age Summary

39.69	All
39.86	Men
38.29	Women

Summit Bid Termination Summary

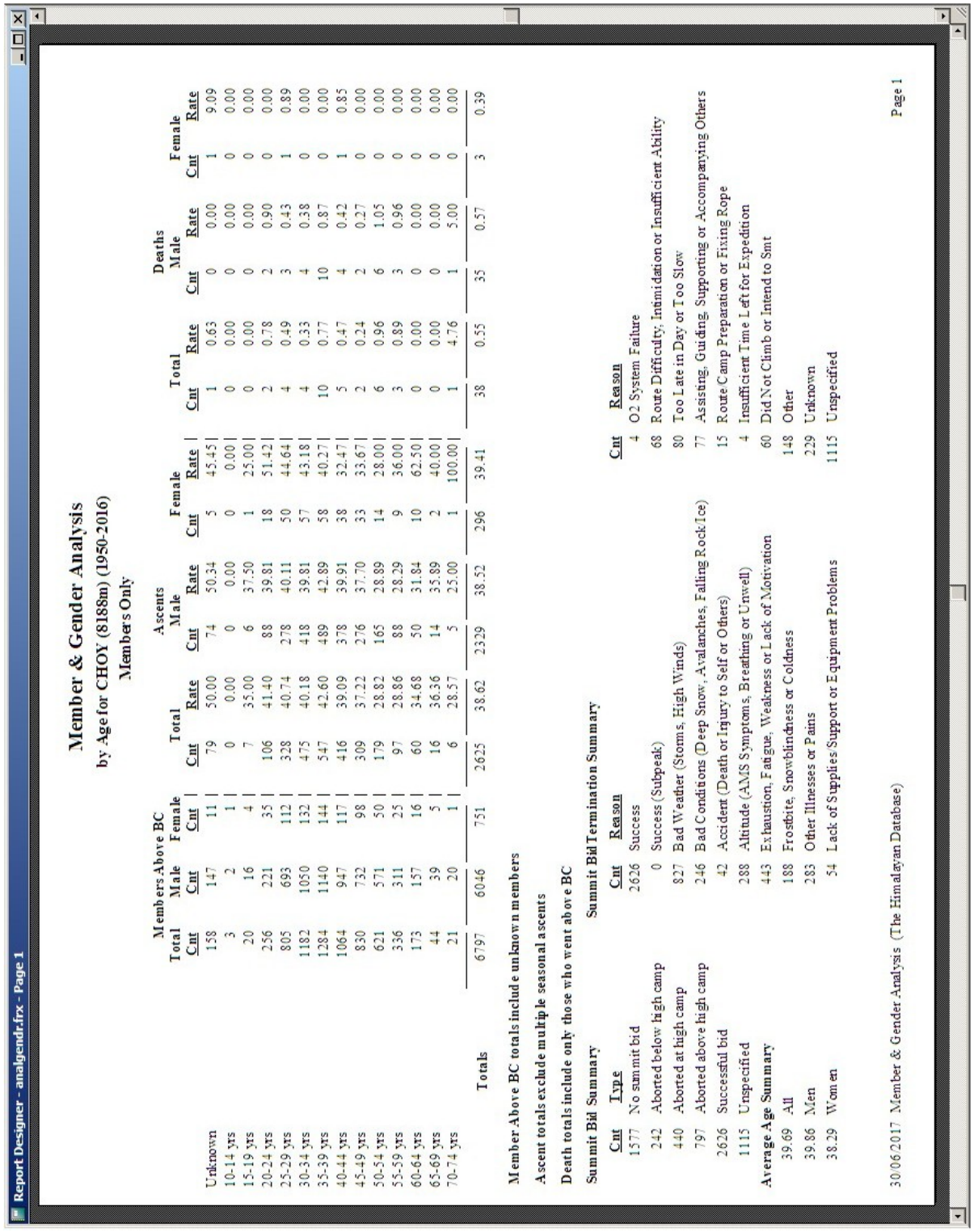
Cnt	Reason
2626	Success
0	Success (Subpeak)
827	Bad Weather (Storms, High Winds)
246	Bad Conditions (Deep Snow, Avalanches, Falling Rock/Ice)
42	Accident (Death or Injury to Self or Others)
288	Altitude (AMS Symptoms, Breathing or Unwell)
443	Exhaustion, Fatigue, Weakness or Lack of Motivation
188	Frostbite, Snowblindness or Coldness
283	Other Illnesses or Pains
54	Lack of Supplies/Support or Equipment Problems

Cnt	Reason
4	O2 System Failure
68	Route Difficulty, Intimidation or Insufficient Ability
80	Too Late in Day or Too Slow
77	Assisting, Guiding, Supporting or Accompanying Others
15	Route Camp Preparation or Fixing Rope
4	Insufficient Time Left for Expedition
60	Did Not Climb or Intend to Smt
148	Other
229	Unknown
1115	Unspecified

30/06/2017 Member & Gender Analysis (The Himalayan Database) Page 1

Member & Gender Analysis Output – By Age for Cho Oyu

The above example analyzes members by gender for Cho Oyu from 1950 through 2016 by age in 5-year increments.



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Member & Gender Analysis

by Age for CHOY (8188m) (1950-2016)

Members Only

	Members Above BC						Ascents				Deaths			
	Total	Male	Female	Total		Male		Female		Total		Male		Female	
	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Unknown	138	147	11	79	50.00	74	50.34	5	45.45	1	0.63	0	0.00	1	9.09
10-14 yrs	3	2	1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
15-19 yrs	20	16	4	7	35.00	6	37.50	1	25.00	0	0.00	0	0.00	0	0.00
20-24 yrs	256	221	35	106	41.40	88	39.81	18	51.42	2	0.78	2	0.90	0	0.00
25-29 yrs	805	693	112	328	40.74	278	40.11	50	44.64	4	0.49	3	0.43	1	0.89
30-34 yrs	1182	1050	132	475	40.18	418	39.81	57	43.18	4	0.33	4	0.38	0	0.00
35-39 yrs	1284	1140	144	547	42.60	489	42.89	58	40.27	10	0.77	10	0.87	0	0.00
40-44 yrs	1064	947	117	416	39.09	378	39.91	38	32.47	5	0.47	4	0.42	1	0.85
45-49 yrs	830	732	98	309	37.22	276	37.70	33	33.67	2	0.24	2	0.27	0	0.00
50-54 yrs	621	571	50	179	28.82	165	28.89	14	28.00	6	0.96	6	1.05	0	0.00
55-59 yrs	336	311	25	97	28.86	88	28.29	9	36.00	3	0.89	3	0.96	0	0.00
60-64 yrs	173	157	16	60	34.68	50	31.84	10	62.50	0	0.00	0	0.00	0	0.00
65-69 yrs	44	39	5	16	36.36	14	35.89	2	40.00	0	0.00	0	0.00	0	0.00
70-74 yrs	21	20	1	6	28.57	5	25.00	1	100.00	1	4.76	1	5.00	0	0.00
Totals	6797	6046	751	2625	38.62	2329	38.52	296	39.41	38	0.55	35	0.57	3	0.39

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Death totals include only those who went above BC

Summit Bid Summary

Cnt	Type
1577	No summit bid
242	Aborted below high camp
440	Aborted at high camp
797	Aborted above high camp
2626	Successful bid
1115	Unspecified

Average Age Summary

39.69	All
39.86	Men
38.29	Women

Summit Bid Termination Summary

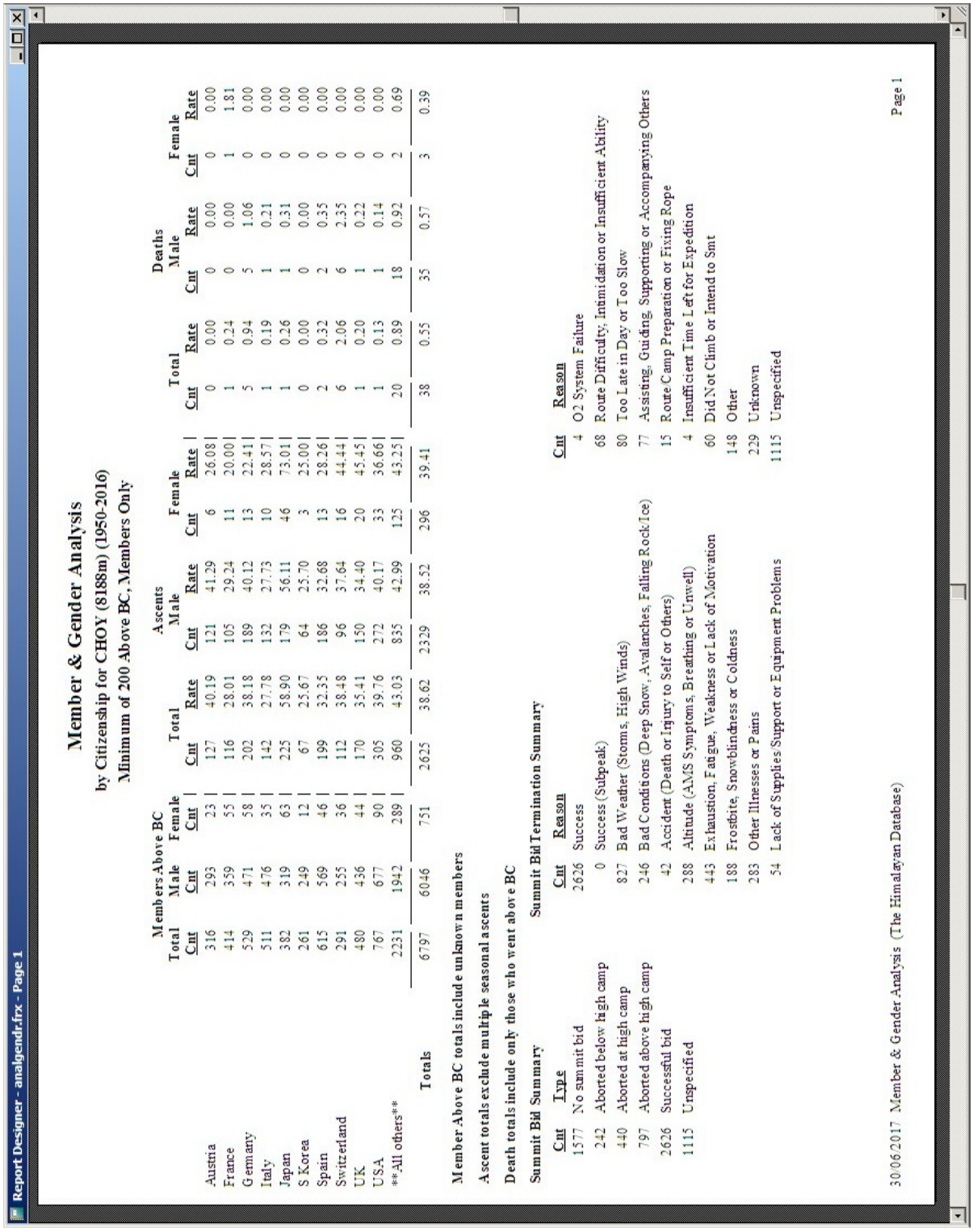
Cnt	Reason
2626	Success
0	Success (Subpeak)
827	Bad Weather (Storms, High Winds)
246	Bad Conditions (Deep Snow, Avalanches, Falling Rock/Ice)
42	Accident (Death or Injury to Self or Others)
288	Altitude (AMS Symptoms, Breathing or Unwell)
443	Exhaustion, Fatigue, Weakness or Lack of Motivation
188	Frostbite, Snowblindness or Coldness
283	Other Illnesses or Pains
54	Lack of Supplies Support or Equipment Problems

Cnt	Reason
4	O2 System Failure
68	Route Difficulty, Intimidation or Insufficient Ability
80	Too Late in Day or Too Slow
77	Assisting, Guiding, Supporting or Accompanying Others
15	Route Camp Preparation or Fixing Rope
4	Insufficient Time Left for Expedition
60	Did Not Climb or Intend to Smt
148	Other
229	Unknown
1115	Unspecified

30/06/2017 Member & Gender Analysis (The Himalayan Database) Page 1

Member & Gender Analysis Output – By Age for Cho Oyu

The above example analyzes members by gender for Cho Oyu from 1950 through 2016 by age in 5-year increments.



Report Designer - analgendr.frx - Page 1

Member & Gender Analysis

by Citizenship for CHOY (8188m) (1950-2016)
Minimum of 200 Above BC, Members Only

	Members Above BC			Ascents				Deaths			
	Total	Male	Female	Total		Male		Female		Total		Male		Female	
	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Austria	316	293	23	127	40.19	121	41.29	6	26.08	0	0.00	0	0.00	0	0.00
France	414	359	55	116	28.01	105	29.24	11	20.00	1	0.24	0	0.00	1	1.81
Germany	529	471	58	202	38.18	189	40.12	13	22.41	5	0.94	5	1.06	0	0.00
Italy	511	476	35	142	27.78	132	27.73	10	28.57	1	0.19	1	0.21	0	0.00
Japan	382	319	63	225	58.90	179	56.11	46	73.01	1	0.26	1	0.31	0	0.00
S Korea	261	249	12	67	25.67	64	25.70	3	25.00	0	0.00	0	0.00	0	0.00
Spain	615	569	46	199	32.35	186	32.68	13	28.26	2	0.32	2	0.35	0	0.00
Switzerland	291	255	36	112	38.48	96	37.64	16	44.44	6	2.06	6	2.35	0	0.00
UK	480	436	44	170	35.41	150	34.40	20	45.45	1	0.20	1	0.22	0	0.00
USA	767	677	90	305	39.76	272	40.17	33	36.66	1	0.13	1	0.14	0	0.00
All others	2231	1942	289	960	43.03	835	42.99	125	43.25	20	0.89	18	0.92	2	0.69
Totals	6797	6046	751	2625	38.62	2329	38.52	296	39.41	38	0.55	35	0.57	3	0.39

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Death totals include only those who went above BC

Summit Bid Summary

Cnt	Type
1577	No summit bid
242	Aborted below high camp
440	Aborted at high camp
797	Aborted above high camp
2626	Successful bid
1115	Unspecified

Summit Bid Termination Summary

Cnt	Reason
2626	Success
0	Success (Subpeak)
827	Bad Weather (Storms, High Winds)
246	Bad Conditions (Deep Snow, Avalanches, Falling Rock/Ice)
42	Accident (Death or Injury to Self or Others)
288	Altitude (AMS Symptoms, Breathing or Unwell)
443	Exhaustion, Fatigue, Weakness or Lack of Motivation
188	Frostbite, Snowblindness or Coldness
283	Other Illnesses or Pains
54	Lack of Supplies Support or Equipment Problems
4	O2 System Failure
68	Route Difficulty, Intimidation or Insufficient Ability
80	Too Late in Day or Too Slow
77	Assisting, Guiding, Supporting or Accompanying Others
15	Route Camp Preparation or Fixing Rope
4	Insufficient Time Left for Expedition
60	Did Not Climb or Intend to Smt
148	Other
229	Unknown
1115	Unspecified

30/06/2017 Member & Gender Analysis (The Himalayan Database) Page 1

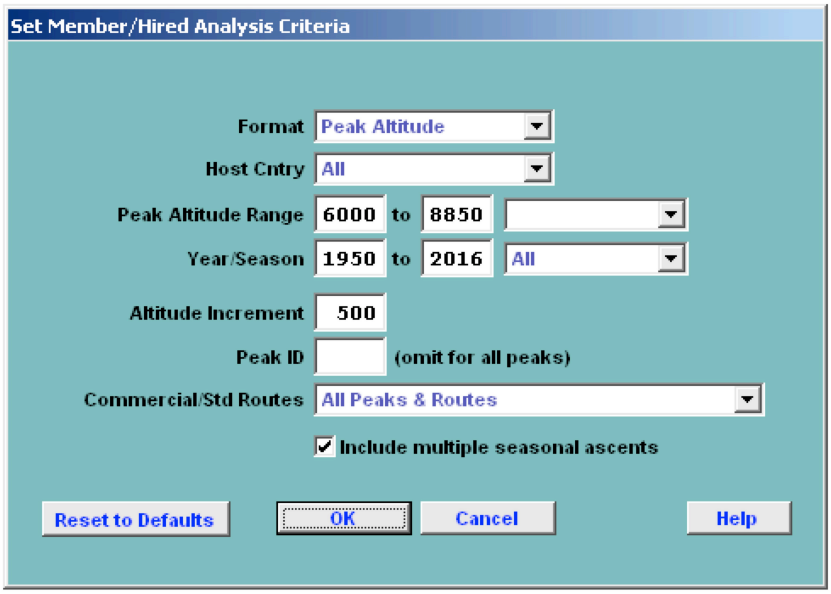
Member & Gender Analysis Output – By Citizenship for Cho Oyu

The above example analyzes members by gender for Cho Oyu from 1950 through 2016 by citizenship for countries with 200 or more members above base camp.

Member vs. Hired Analysis

The member vs. hired analysis analyzes climbing by members (total members and members above base camp) and hired personnel above base camp. Success and death rates are given for each group in the printed report and the Excel export. The Excel export also gives gender totals for members above base camp.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Member vs. Hired analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season

Host Cntry
- All
- Nepal
- China
- India

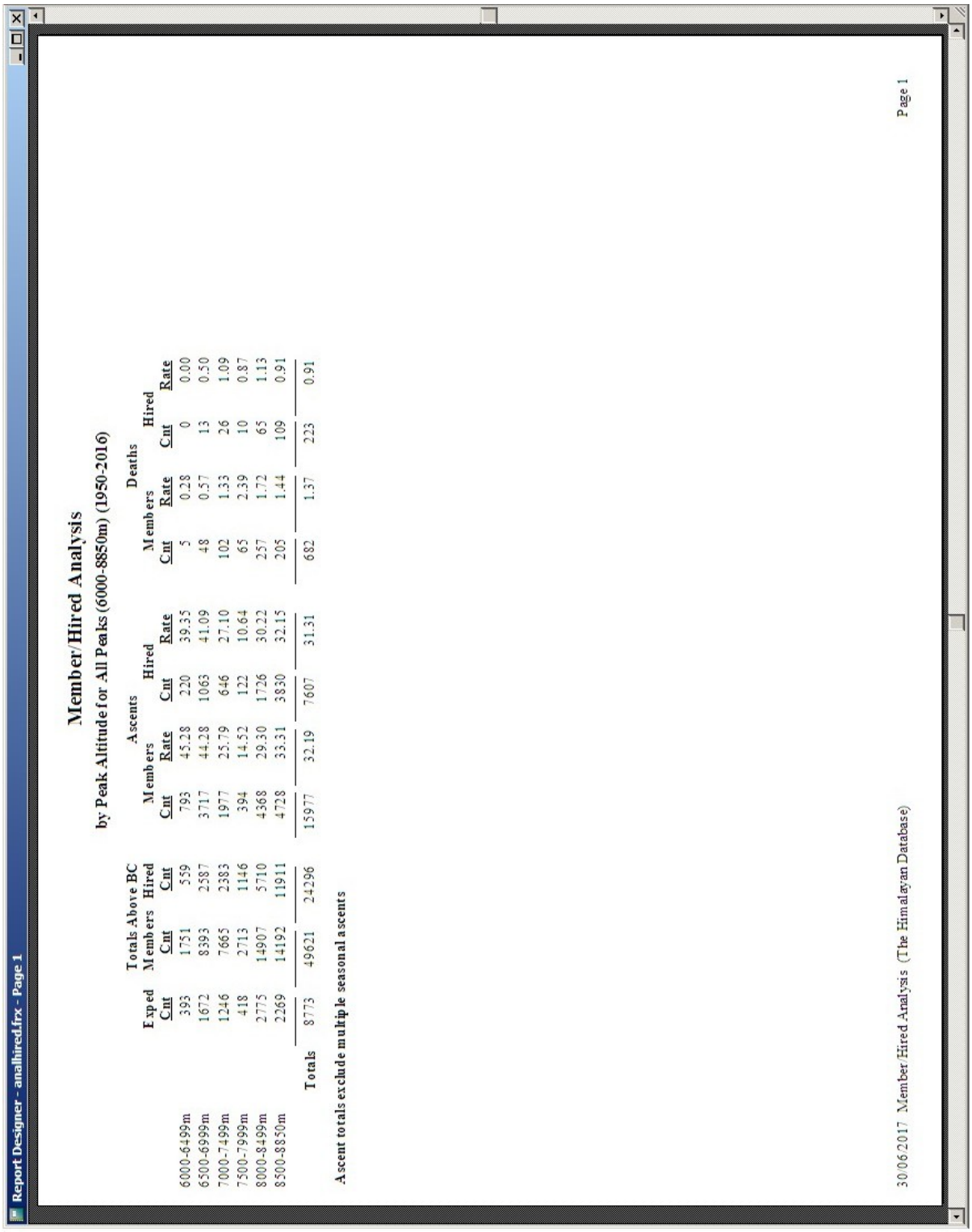
Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year Increment

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). No increment is available for Season.

Peak ID
Commercial/Std Routes (see "*Expedition Analysis"* above)



Report Designer - anallhired.frx - Page 1

Member/Hired Analysis

by Peak Altitude for All Peaks (6000-8850m) (1950-2016)

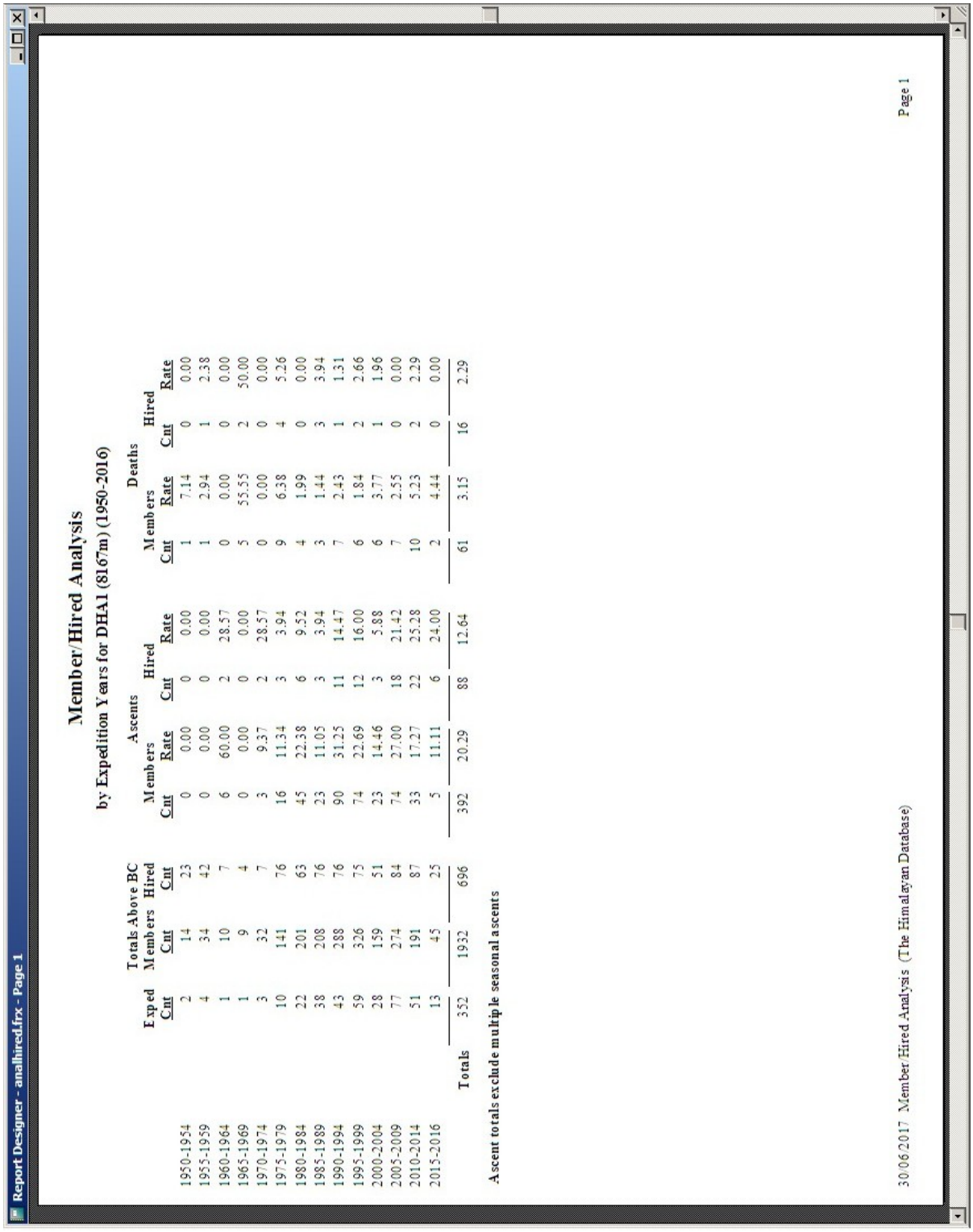
	Exped	Totals Above BC Members	Totals Above BC Hired	Ascents Members		Ascents Hired		Deaths Members		Deaths Hired	
	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
6000-6499m	393	1751	559	793	45.28	220	39.35	5	0.28	0	0.00
6500-6999m	1672	8393	2587	3717	44.28	1063	41.09	48	0.57	13	0.50
7000-7499m	1246	7665	2383	1977	25.79	646	27.10	102	1.33	26	1.09
7500-7999m	418	2713	1146	394	14.52	122	10.64	65	2.39	10	0.87
8000-8499m	2775	14907	5710	4368	29.30	1726	30.22	257	1.72	65	1.13
8500-8850m	2269	14192	11911	4728	33.31	3830	32.15	205	1.44	109	0.91
Totals	8773	49621	24296	15977	32.19	7607	31.31	682	1.37	223	0.91

Ascent totals exclude multiple seasonal ascents

30/06/2017 Member Hired Analysis (The Himalayan Database)

Page 1

Member vs. Hired Analysis Output – By Altitude for all peaks from 6000m to 8850m.



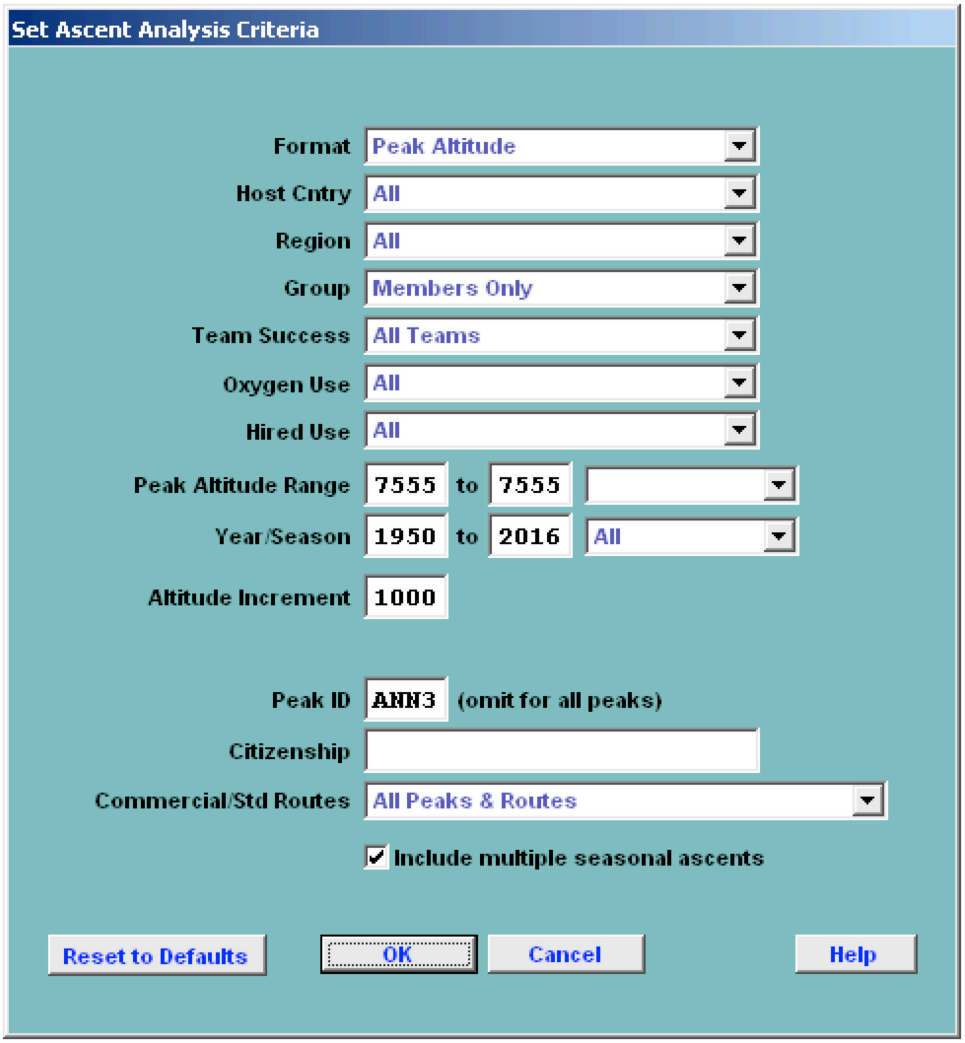
Member vs. Hired Analysis Output – By Expedition Year for Dhaulagiri I

The above example analyzes members vs. hired personnel for Dhaulagiri I from 1950 through 2016 by expedition years in 5-year increments.

Ascent Analysis

The ascent analysis analyzes ascents by members and hired personnel above base camp. Numbers above base camp, ascent counts, ascent rates, and oxygen use are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Ascent analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship
- Time of Summit
- Date of Summit
- Team Size (Mbrs Abv BC)
- Team Size (Hired Abv BC)
- Hired/Members Ratio

Host Cntry
- All
- Nepal
- China
- India

Region (see "*Expedition Analysis"* above)

Group
- Members Only
- Women Members Only
- Hired Only
- Members & Hired

Summit Bid
- All
- No summit bid
- Aborted below high camp
- Aborted at high camp
- Aborted above high camp
- Successful bid
- Combinations

Team Success
- All Teams
- Successful Teams Only

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). When the Age format is chosen, an age step increment and starting point may be selected (the default is 5 years). No increments are available for the Season and Citizenship formats.

Team Size Increment/Hired-Mbrs Ratio

When the Team Size format is chosen, a team size step increment may be selected (the default is 5). When the Hired/Members Ratio

is format chosen, a ratio step increment may be selected (the default is 0.5).

Order & Minimum Above BC

When the Citizenship format is chosen, the output order may be sorted by one of the orders below (the default is Country Name).

Country Name
Members Above BC
Ascents
Ascent Rate

The output may be limited to nations with "n" members above BC.

Peak ID

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Region and Summit Bid criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Peak Altitude for ANN3 (7555m) (1950-2016)

Members Only

	Members Above BC			Ascents						Oxygen Use		
	Total	Male	Female	Total		Male		Female		With O2	W/o O2	Unkn
	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Cnt
7555m	221	199	22	20	9.05	17	8.54	3	13.63	1	18	1
Totals	221	199	22	20	9.05	17	8.54	3	13.63	1	18	1

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents

1 Traverses

0 Ski snowboard descents

0 Parapente descents

0 Disputed ascents

0 Unrecognized ascents

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

Ascent Analysis Output – By Peak Altitude

The above example analyzes member ascents for Annapurna III from 1950 through 2016.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Expedition Years for ANN3 (7555m) (1950-2016)

Members Only

	Members Above BC				Ascents									
	Total	Male	Female		Total		Male		Female		Oxygen Use			
	Cnt	Cnt	Cnt		Cnt	Rate	Cnt	Rate	Cnt	Rate	With O2 Cnt	W/o O2 Cnt	Unkn Cnt	
1950-1954	0	0	0		0	0.00								
1955-1959	0	0	0		0	0.00								
1960-1964	6	6	0		2	33.33	2	33.33	0	0.00	0	2	0	
1965-1969	0	0	0		0	0.00								
1970-1974	9	0	9		2	22.22	0	0.00	2	22.22	0	2	0	
1975-1979	40	32	8		6	15.00	5	15.62	1	12.50	0	6	0	
1980-1984	55	55	0		2	3.63	2	3.63	0	0.00	0	2	0	
1985-1989	39	39	0		3	7.69	3	7.69	0	0.00	0	3	0	
1990-1994	32	27	5		1	3.12	1	3.70	0	0.00	0	0	1	
1995-1999	5	5	0		1	20.00	1	20.00	0	0.00	1	0	0	
2000-2004	27	27	0		3	11.11	3	11.11	0	0.00	0	3	0	
2005-2009	0	0	0		0	0.00								
2010-2014	3	3	0		0	0.00								
2015-2016	5	5	0		0	0.00								
Totals	221	199	22		20	9.05	17	8.54	3	13.63	1	18	1	

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents
1 Traverses
0 Ski/snowboard descents
0 Parapente descents

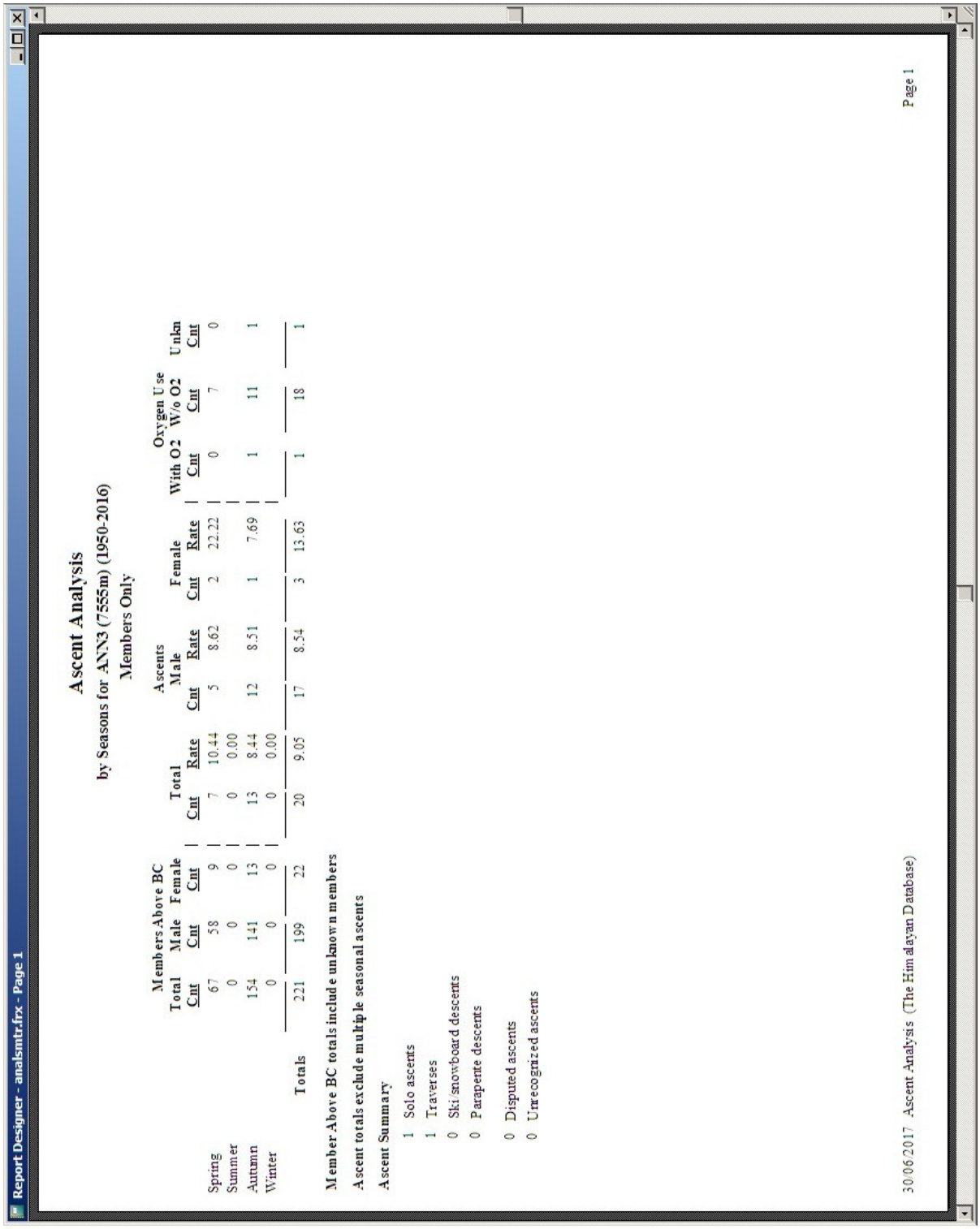
0 Disputed ascents
0 Unrecognized ascents

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

Ascent Analysis Output – By Expedition Year

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by expedition years in 5-year increments.



Ascent Analysis Output – By Season

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by climbing season.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Age for ANN3 (7555m) (1950-2016)

Members Only

	Members Above BC			Ascents						Oxygen Use		
	Total	Male	Female	Total		Male		Female		With O2	W/o O2	Unkn
	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Cnt
Unknown	1	1	0	1	100.00	1	100.00	0	0.00	0	1	0
15-19 yrs	2	2	0	2	100.00	2	100.00	0	0.00	0	2	0
20-24 yrs	26	23	3	26	100.00	23	100.00	3	100.00	0	25	1
25-29 yrs	75	66	9	75	100.00	66	100.00	9	100.00	1	73	1
30-34 yrs	60	55	5	60	100.00	55	100.00	5	100.00	1	59	0
35-39 yrs	26	23	3	26	100.00	23	100.00	3	100.00	0	25	1
40-44 yrs	14	14	0	14	100.00	14	100.00	0	0.00	0	13	1
45-49 yrs	9	8	1	9	100.00	8	100.00	1	100.00	1	8	0
50-54 yrs	4	4	0	4	100.00	4	100.00	0	0.00	0	4	0
55-59 yrs	2	1	1	2	100.00	1	100.00	1	100.00	0	2	0
60-64 yrs	2	2	0	2	100.00	2	100.00	0	0.00	0	2	0
Totals	221	199	22	221	100.00	199	100.00	22	100.00	3	214	4

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents
1 Traverses
0 Ski/snowboard descents
0 Parapente descents

0 Disputed ascents
0 Unrecognized ascents

Average Summiter Age Summary

31.75 All
32.05 Men
30.00 Women

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

Ascent Analysis Output – By Age

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by climber's age in 5-year increments.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Citizenship for AVN3 (7555m) (1950-2016)

Members Only

	Members Above BC			Total		Ascents Male		Female		Oxygen Use With O2		Oxygen Use W/o O2		Unkn
	Total Cnt	Male Cnt	Female Cnt	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt		Cnt		Cnt
Australia	16	16	0	0	0.00									
Austria	4	4	0	0	0.00									
Germany	1	1	0	0	0.00									
India	6	6	0	2	33.33	2	33.33	0	0.00	0		2		0
Italy	37	30	7	4	10.81	4	13.33	0	0.00	0		4		0
Japan	34	21	13	3	8.82	1	4.76	2	15.38	1		2		0
Nepal (non-Sherpa)	22	22	0	3	13.63	3	13.63	0	0.00	0		3		0
Poland	4	4	0	0	0.00									
S Korea	21	21	0	1	4.76	1	4.76	0	0.00	0		0		1
Slovenia	22	21	1	0	0.00									
Spain	11	11	0	1	9.09	1	9.09	0	0.00	0		1		0
Switzerland	8	8	0	1	12.50	1	12.50	0	0.00	0		1		0
UK	25	24	1	4	16.00	3	12.50	1	100.00	0		4		0
USA	10	10	0	1	10.00	1	10.00	0	0.00	0		1		0
Totals	221	199	22	20	9.05	17	8.54	3	13.63	1		18		1

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents

1 Traverses

0 Ski/snowboard descents

0 Parapente descents

0 Disputed ascents

0 Unrecognized ascents

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

Ascent Analysis Output – By Citizenship

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by citizenship.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Team Size (Mbrs Above BC) for ANN3 (7555m) (1950-2016)

Members Only

	Members Above BC				Ascents									
	Total	Male	Female		Total		Male		Female		Oxygen Use			
	Cnt	Cnt	Cnt		Cnt	Rate	Cnt	Rate	Cnt	Rate	With O2 Cnt	W/o O2 Cnt	Unkn Cnt	
0-4	44	44	0		6	13.63	6	13.63	0	0.00	1	4	1	
5-9	80	66	14		7	8.75	4	6.06	3	21.42	0	7	0	
10-14	48	47	1		0	0.00								
15-19	0	0	0		0	0.00								
20-24	22	22	0		3	13.63	3	13.63	0	0.00	0	3	0	
25-29	27	20	7		4	14.81	4	20.00	0	0.00	0	4	0	
Totals	221	199	22		20	9.05	17	8.54	3	13.63	1	18	1	

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents
1 Traverses
0 Ski snowboard descents
0 Parapente descents

0 Disputed ascents
0 Unrecognized ascents

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

Ascent Analysis Output – By Member Team Size

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by member team size in 5-member increments.

Report Designer - analsmtr.frx - Page 1

Ascent Analysis

by Hired/Members Ratio for ANN3 (7555m) (1950-2016)

Members Only

	Members Above BC				Ascents						Oxygen Use		
	Total	Male	Female		Total		Male		Female		With O2	W/o O2	Unkn
	Cnt	Cnt	Cnt		Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Cnt
No Hired	75	73	2		6	8.00	5	6.84	1	50.00	0	6	0
0.01-0.49	113	102	11		8	7.08	8	7.84	0	0.00	0	8	0
0.50-0.99	6	6	0		0	0.00							
1.00-1.49	21	12	9		4	19.04	2	16.66	2	22.22	1	2	1
1.50-1.99	0	0	0		0	0.00							
2.00-2.49	6	6	0		2	33.33	2	33.33	0	0.00	0	2	0
Totals	221	199	22		20	9.05	17	8.54	3	13.63	1	18	1

Member Above BC totals include unknown members

Ascent totals exclude multiple seasonal ascents

Ascent Summary

1 Solo ascents
1 Traverses
0 Ski snowboard descents
0 Parapente descents

0 Disputed ascents
0 Unrecognized ascents

30/06/2017 Ascent Analysis (The Himalayan Database)

Page 1

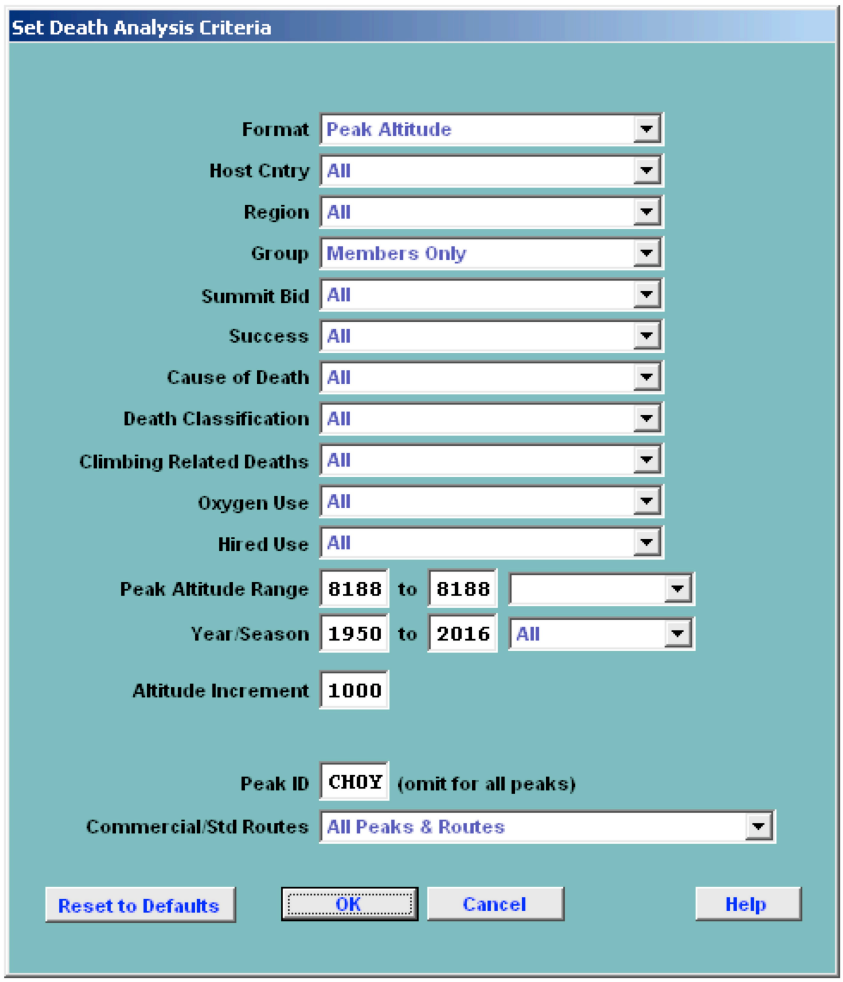
Ascent Analysis Output – By Hired to Members Ratio

The above example analyzes member ascents for Annapurna III from 1950 through 2016 by the ratio of hired personnel to members.

Death Analysis

The death analysis analyzes deaths by members and hired personnel above base camp. Numbers above base camp, death counts, death rates, and oxygen use are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Death analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship
- Cause of Death
- Altitude of Death
- Time of Death
- Team Size (Mbrs Abv BC)
- Team Size (Hired Abv BC)
- Hired/Members Ratio

Host Cntry
- All
- Nepal
- China
- India

Region (see "*Expedition Analysis"* above)

Group
- Members Only
- Women Members Only
- Hired Only
- Members & Hired

Summit Bid
- All
- No summit bid
- Aborted below high camp
- Aborted at high camp
- Aborted above high camp
- Successful bid
- Combinations

Success
- All
- Successful Only
- Unsuccessful Only

Cause of Death
- All
- AMS
- Exhaustion
- Exposure/Frostbite
- Fall
- Crevasse
- Icefall Collapse
- Avalanche
- Falling Rock/Ice
- Disappearance (Unexplained)
- Illness (non-AMS)
- Other
- Unknown
- Combinations

Death Classification
- All
- Death enroute BC
- Death at BC
- Route preparation
- Ascending in summit bid
- Descending from summit bid
- Expedition evacuation
- Other/unknown
- Combinations

Climbing Related Deaths
- All
- Include Climbing Only
- Include Non-Climbing Only

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). When the Age format is chosen, an age step increment and starting point may be selected (the default is 5 years). No increments are available for the Season, Citizenship, and Cause of Death formats.

Altitude Increment & Direction

When the Altitude of Death format is chosen, an altitude step increment (the default is 500m) and direction (Normal or Distance from Summit) may be selected.

Time Increment

When the Time of Death format is chosen, an hourly step increment may be selected (the default is 2 hours).

Team Size Increment/Hired-Mbrs Ratio

When the Team Size format is chosen, a team size step increment may be selected (the default is 5). When the Hired/Members Ratio format is chosen, a ratio step increment may be selected (the default is 0.5).

Order & Minimum Above BC

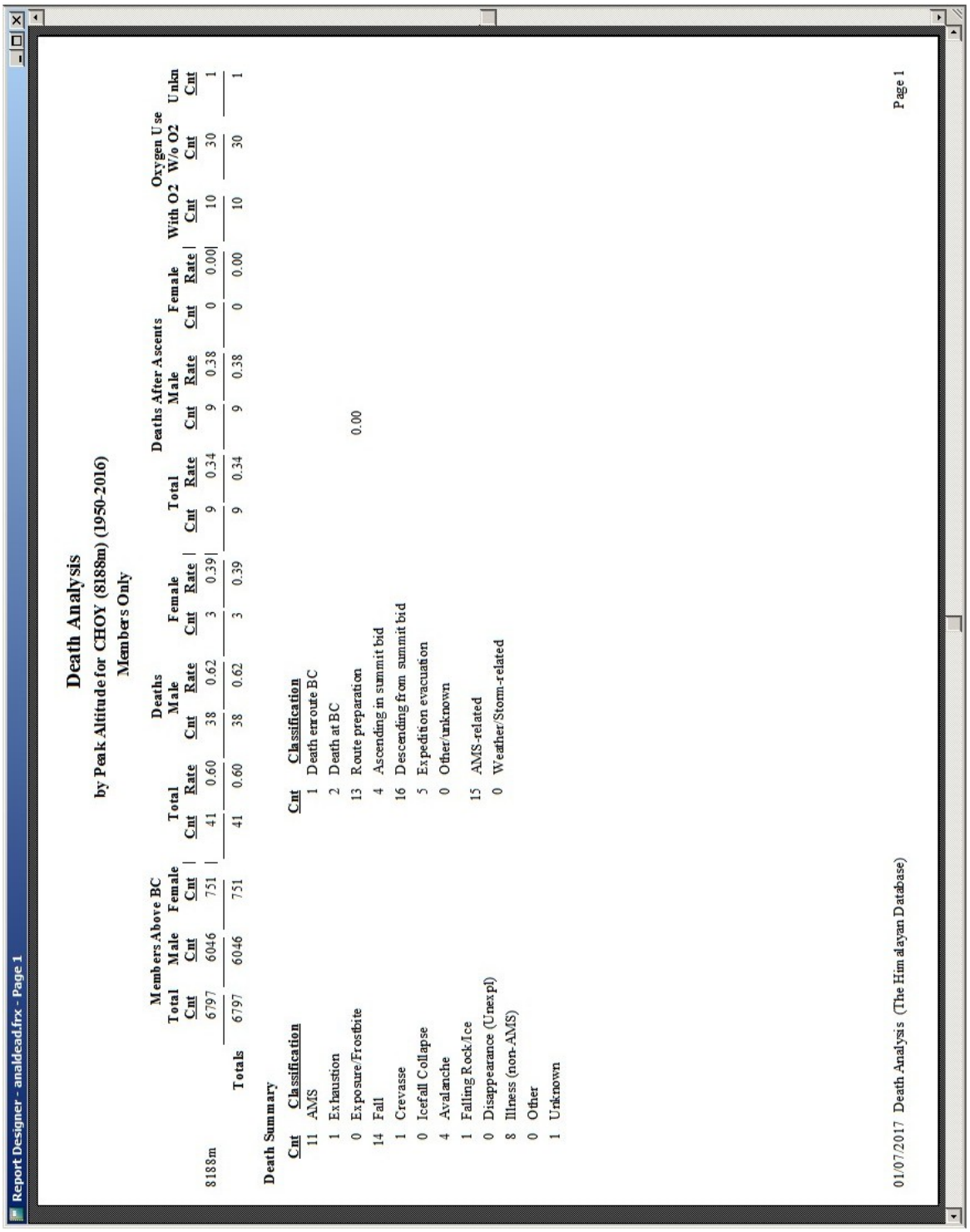
When the Citizenship format is chosen, the output order may be sorted by one of the orders below (the default is Country Name).
- Country Name
- Members Above BC
- Deaths
- Death Rate

The output may be limited to nations with "n" members above BC.

Peak ID

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Region, Summit Bid, Cause of Death and Death Classification criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.



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Death Analysis

by Peak Altitude for CHOY (8188m) (1950-2016)

Members Only

	Members Above BC				Deaths				Deaths After Ascents				Oxygen Use			
	Total	Male	Female		Total		Male		Female		Total		Male		Female		With O2	W/o O2	Unkn
	Cnt	Cnt	Cnt		Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Cnt
8188m	6797	6046	751		41	0.60	38	0.62	3	0.39	9	0.34	9	0.38	0	0.00	10	30	1
Totals	6797	6046	751		41	0.60	38	0.62	3	0.39	9	0.34	9	0.38	0	0.00	10	30	1

Death Summary

Cnt	Classification
11	AMS
1	Exhaustion
0	Exposure/Frostbite
14	Fall
1	Crevasse
0	Icefall Collapse
4	Avalanche
1	Falling Rock/Ice
0	Disappearance (Unexpl)
8	Illness (non-AMS)
0	Other
1	Unknown

Cnt	Classification	Rate
1	Death enroute BC	
2	Death at BC	
13	Route preparation	0.00
4	Ascending in summit bid	
16	Descending from summit bid	
5	Expedition evacuation	
0	Other/unknown	
15	AMS-related	
0	Weather/Storm-related	

01/07/2017 Death Analysis (The Himalayan Database)

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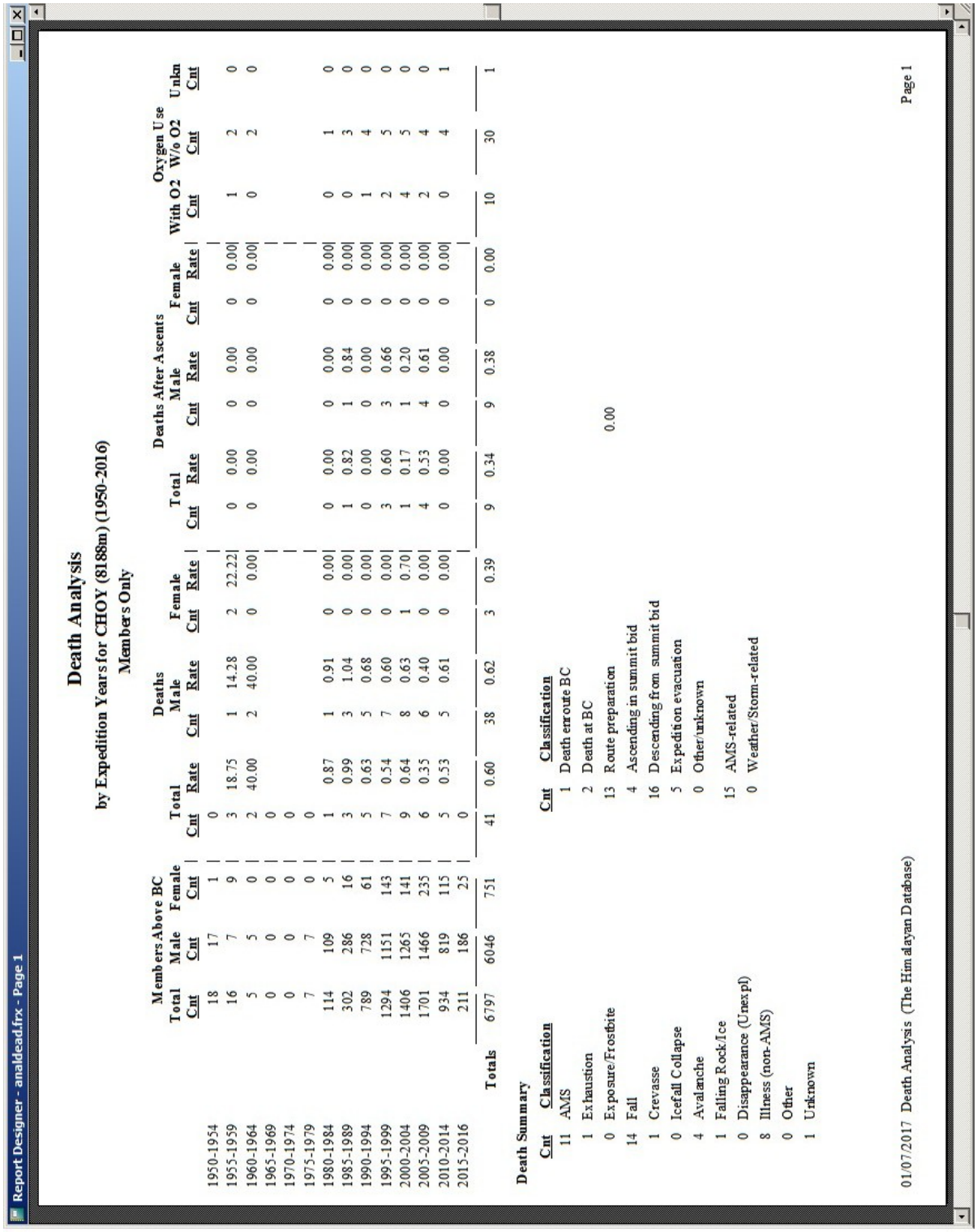
Death Analysis Output – By Peak Altitude

The above example analyzes member deaths for Cho Oyu from 1950 through 2016.



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Death Analysis

by Expedition Years for CHOY (8188m) (1950-2016)

Members Only

	Members Above BC				Deaths				Deaths After Ascents				Oxygen Use		
	Total	Male	Female	Total	Male		Female		Total	Male		Female	With O2	W/o O2	Unkn
	Cnt	Cnt	Cnt	Cnt	Cnt	Rate	Cnt	Rate	Cnt	Cnt	Rate	Cnt	Cnt	Cnt	Cnt
1950-1954	18	17	1	0											
1955-1959	16	7	9	3	1	14.28	2	22.22	0	0	0.00	0	0.00	1	2	0
1960-1964	5	5	0	2	2	40.00	0	0.00	0	0	0.00	0	0.00	0	2	0
1965-1969	0	0	0	0												
1970-1974	0	0	0	0												
1975-1979	7	7	0	0												
1980-1984	114	109	5	1	1	0.91	0	0.00	0	0	0.00	0	0.00	0	1	0
1985-1989	302	286	16	3	3	1.04	0	0.00	1	1	0.84	0	0.00	0	3	0
1990-1994	789	728	61	5	5	0.68	0	0.00	0	0	0.00	0	0.00	1	4	0
1995-1999	1294	1151	143	7	7	0.60	0	0.00	3	3	0.66	0	0.00	2	5	0
2000-2004	1406	1265	141	9	8	0.63	1	0.70	1	1	0.20	0	0.00	4	5	0
2005-2009	1701	1466	235	6	6	0.40	0	0.00	4	4	0.61	0	0.00	2	4	0
2010-2014	934	819	115	5	5	0.61	0	0.00	0	0	0.00	0	0.00	0	4	1
2015-2016	211	186	25	0												
Totals	6797	6046	751	41	38	0.62	3	0.39	9	9	0.34	0	0.00	10	30	1

Death Summary

Cnt	Classification
11	AMS
1	Exhaustion
0	Exposure/Frostbite
14	Fall
1	Crevasse
0	Icefall Collapse
4	Avalanche
1	Falling Rock/Ice
0	Disappearance (Unexpl)
8	Illness (non-AMS)
0	Other
1	Unknown

Cnt	Classification
1	Death enroute BC
2	Death at BC
13	Route preparation
4	Ascending in summit bid
16	Descending from summit bid
5	Expedition evacuation
0	Other/unknown
15	AMS-related
0	Weather/Storm-related

01/07/2017 Death Analysis (The Himalayan Database)

Page 1

Death Analysis Output – By Expedition Years

The above example analyzes member deaths for Cho Oyu from 1950 through 2016 by expedition years in 5-year increments.

Report Designer - analdeadc.frx - Page 1

Death Analysis

by Cause of Death for CHOY (8188m) (1950-2016)

Members Only

	Total		Deaths Male		Female		Deaths After Ascents Total		Male		Female		With O2		Oxygen Use W/o O2		Unkn O2	
	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct
AMS	11	26.82	11	28.94	0	0.00	3	33.33	3	33.33	0	0.00	3	30.00	7	23.33	1	100.00
Exhaustion	1	2.43	1	2.63	0	0.00	1	11.11	1	11.11	0	0.00	1	10.00	0	0.00	0	0.00
Exposure/Frostbite	0																	
Fall	14	34.14	13	34.21	1	33.33	3	33.33	3	33.33	0	0.00	1	10.00	13	43.33	0	0.00
Crevasse	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
Icefall Collapse	0																	
Avalanche	4	9.75	2	5.26	2	66.66	0	0.00	0	0.00	0	0.00	0	0.00	4	13.33	0	0.00
Falling Rock/Ice	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	1	10.00	0	0.00	0	0.00
Disappearance (Unexpl)	0																	
Illness (non-AMS)	8	19.51	8	21.05	0	0.00	2	22.22	2	22.22	0	0.00	4	40.00	4	13.33	0	0.00
Other	0																	
Unknown	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
Totals	41	99.99	38	100.00	3	100.00	9	99.99	9	99.99	0	0.00	10	100.00	30	99.98	1	100.00

Death Summary

Cnt	Classification
11	AMS
1	Exhaustion
0	Exposure/Frostbite
14	Fall
1	Crevasse
0	Icefall Collapse
4	Avalanche
1	Falling Rock/Ice
0	Disappearance (Unexpl)
8	Illness (non-AMS)
0	Other
1	Unknown

Cnt	Classification
1	Death enroute BC
2	Death at BC
13	Route preparation
4	Ascending in summit bid
16	Descending from summit bid
5	Expedition evacuation
0	Other/unknown
15	AMS-related
0	Weather/Storm-related

Death Analysis Output – By Cause of Death

The above example analyzes member deaths for Cho Oyu from 1950 through 2016 by cause of death.

Report Designer - analdeadc.frx - Page 1

Death Analysis

by Altitude of Death for CHOY (8188m) (1950-2016)

Members Only

	Total		Deaths Male		Deaths After Ascents Female		Total		Male		Female		Oxygen Use With O2		W/o O2		Unkn O2	
	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct
Unknown	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
4500-4999m	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
5000-5499m	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
5500-5999m	3	7.31	3	7.89	0	0.00	0	0.00	0	0.00	0	0.00	3	30.00	0	0.00	0	0.00
6000-6499m	2	4.87	2	5.26	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	6.67	0	0.00
6500-6999m	9	21.95	9	23.68	0	0.00	1	11.11	1	11.11	0	0.00	0	0.00	8	26.67	1	100.00
7000-7499m	12	29.26	10	26.31	2	66.66	4	44.44	4	44.44	0	0.00	4	40.00	8	26.67	0	0.00
7500-7999m	9	21.95	9	23.68	0	0.00	4	44.44	4	44.44	0	0.00	2	20.00	7	23.33	0	0.00
8000-8499m	3	7.31	2	5.26	1	33.33	0	0.00	0	0.00	0	0.00	1	10.00	2	6.67	0	0.00
Totals	41	99.99	38	100.00	3	100.00	9	99.99	9	99.99	0	0.00	10	100.00	30	100.00	1	100.00

Death Summary

Cnt	Classification
11	AMS
1	Exhaustion
0	Exposure/Frostbite
14	Fall
1	Crevasse
0	Icefall Collapse
4	Avalanche
1	Falling Rock/Ice
0	Disappearance (Unexpl)
8	Illness (non-AMS)
0	Other
1	Unknown

Cnt	Classification
1	Death enroute BC
2	Death at BC
13	Route preparation
4	Ascending in summit bid
16	Descending from summit bid
5	Expedition evacuation
0	Other/unknown
15	AMS-related
0	Weather/Storm-related

Death Analysis Output – By Altitude of Death

The above example analyzes member deaths for Cho Oyu from 1950 through 2016 by altitude of death in 500m increments.

Report Designer - analdeadc.frx - Page 1

Death Analysis

by Time of Death for CHOY (8188m) (1950-2016)

Members Only

	Total		Deaths Male		Female		Total		Deaths After Ascents Male		Female		With O2		Oxygen Use W/o O2		Unkn O2	
	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Pct
Unknown	21	51.22	19	50.00	2	66.66	4	44.44	4	44.44	0	0.00	4	40.00	16	53.33	1	100.00
00:00-01:59	1	2.43	1	2.63	0	0.00	1	11.11	1	11.11	0	0.00	0	0.00	1	3.33	0	0.00
02:00-03:59	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	1	10.00	0	0.00	0	0.00
04:00-05:59	3	7.31	3	7.89	0	0.00	0	0.00	0	0.00	0	0.00	2	20.00	1	3.33	0	0.00
06:00-07:59	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
08:00-09:59	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
10:00-11:59	4	9.75	4	10.52	0	0.00	1	11.11	1	11.11	0	0.00	2	20.00	2	6.67	0	0.00
12:00-13:59	4	9.75	3	7.89	1	33.33	2	22.22	2	22.22	0	0.00	0	0.00	4	13.33	0	0.00
14:00-15:59	2	4.87	2	5.26	0	0.00	0	0.00	0	0.00	0	0.00	1	10.00	1	3.33	0	0.00
16:00-17:59	2	4.87	2	5.26	0	0.00	1	11.11	1	11.11	0	0.00	0	0.00	2	6.67	0	0.00
18:00-19:59	1	2.43	1	2.63	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	3.33	0	0.00
Totals	41	100.00	38	100.00	3	100.00	9	99.99	9	99.99	0	0.00	10	100.00	30	99.98	1	100.00

Death Summary

Cnt	Classification
11	AMS
1	Exhaustion
0	Exposure/Frostbite
14	Fall
1	Crevasse
0	Icefall Collapse
4	Avalanche
1	Falling Rock/Ice
0	Disappearance (Unexpl)
8	Illness (non-AMS)
0	Other
1	Unknown

Cnt	Classification
1	Death enroute BC
2	Death at BC
13	Route preparation
4	Ascending in summit bid
16	Descending from summit bid
5	Expedition evacuation
0	Other/unknown
15	AMS-related
0	Weather/Storm-related

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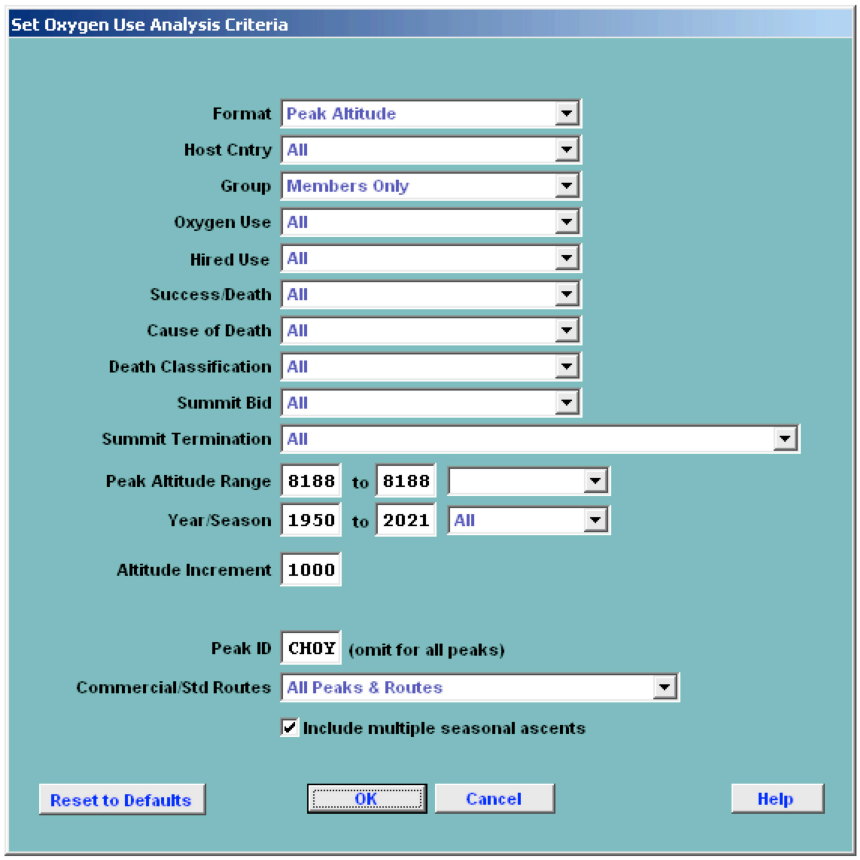
Death Analysis Output – By Time of Death

The above example analyzes member deaths for Cho Oyu from 1950 through 2016 by time of death in 2-hour increments.

Oxygen Use Analysis

The oxygen use analysis analyzes the use of oxygen for ascents and deaths. Numbers above base camp and oxygen use (with, without, and unknown) are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Oxygen Use analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship

Host Cntry
- All
- Nepal
- China
- India

Group
- Members Only
- Hired Only
- Members & Hired

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Success/Death
- All
- Successful Only
- Unsuccessful Only
- Died Only
- Survived Only
- Successful and Died
- Unsuccessful and Died
- Successful and Survived
- Unsuccessful and Survived

Cause of Death (see "*Death Analysis"* above)

Death Classification (see "*Death Analysis"* above)

Summit Bid (see "*Death Analysis"* above)

Summit Termination (see "*Member & Gender Analysis"* above)

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). When the Age format is chosen, an age step increment and starting point may be selected (the default is 5 years). No increments are available for the Season and Citizenship formats.

Order & Minimum Above BC

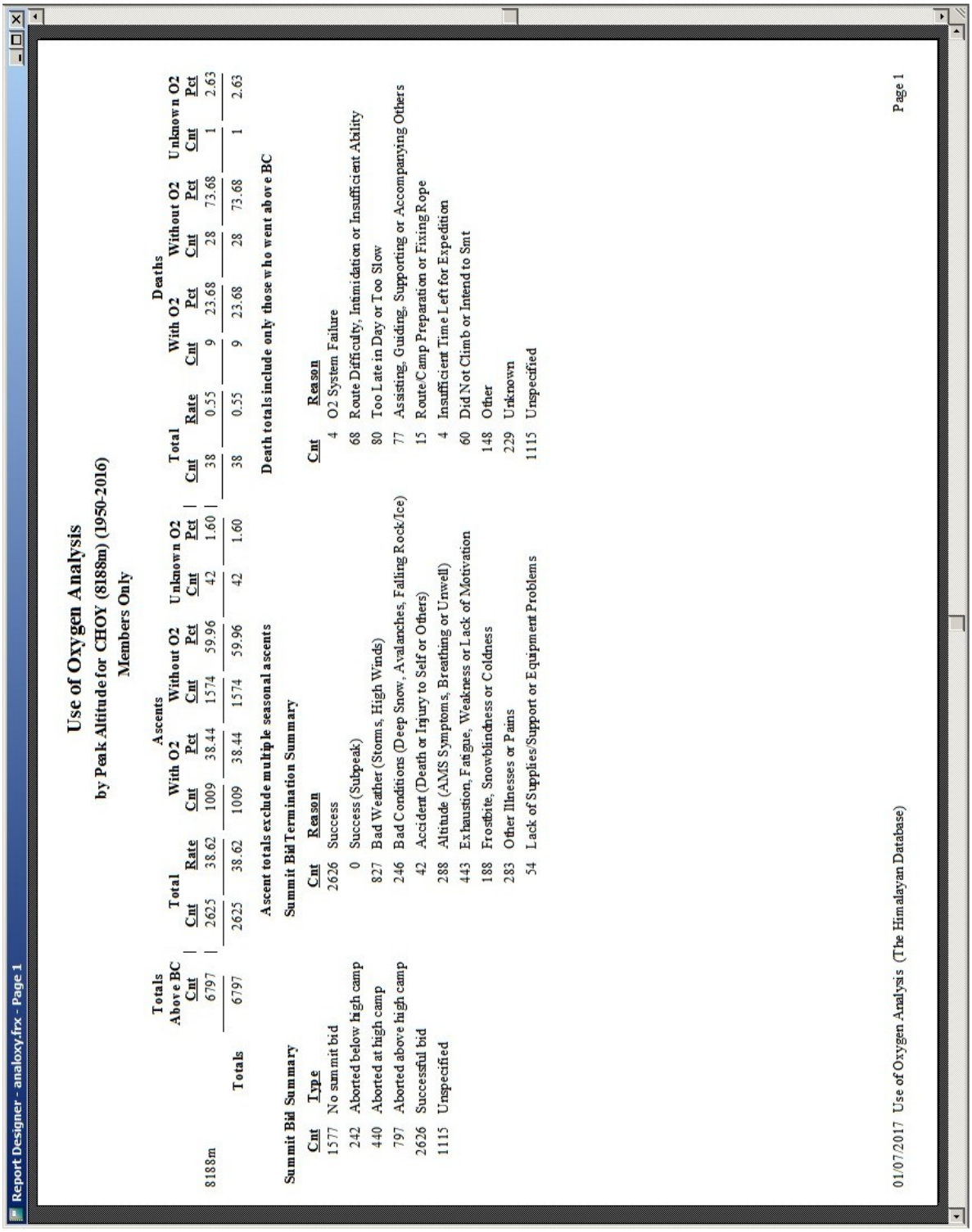
When the Citizenship format is chosen, the output order may be sorted by one of the orders below (the default is Country Name).
- Country Name
- Members Above BC
- Ascents
- Ascent Rate
- Deaths
- Death Rate

The output may be limited to nations with "n" members above BC.

Peak ID

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Success/Death, Cause of Death, Death Classification, Summit Bid, and Summit Termination criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.



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Use of Oxygen Analysis

by Peak Altitude for CHOY (8188m) (1950-2016)

Members Only

	Totals Above BC	Ascents								Deaths					
		Total		With O2		Without O2		Unknown O2		Total		With O2		Without O2		Unknown O2	
	Cnt	Cnt	Rate	Cnt	Pct	Cnt	Pct	Cnt	Pct	Cnt	Rate	Cnt	Pct	Cnt	Pct	Cnt	Pct
8188m	6797	2625	38.62	1009	38.44	1574	59.96	42	1.60	38	0.55	9	23.68	28	73.68	1	2.63
Totals	6797	2625	38.62	1009	38.44	1574	59.96	42	1.60	38	0.55	9	23.68	28	73.68	1	2.63

Ascent totals exclude multiple seasonal ascents **Death totals include only those who went above BC**

Summit Bid Summary **Summit Bid Termination Summary**

Cnt	Type	Cnt	Reason
1577	No summit bid	2626	Success
242	Aborted below high camp	0	Success (Subpeak)
440	Aborted at high camp	827	Bad Weather (Storms, High Winds)
797	Aborted above high camp	246	Bad Conditions (Deep Snow, Avalanches, Falling Rock/Ice)
2626	Successful bid	42	Accident (Death or Injury to Self or Others)
1115	Unspecified	288	Altitude (AMS Symptoms, Breathing or Unwell)
		443	Exhaustion, Fatigue, Weakness or Lack of Motivation
		188	Frostbite, Snowblindness or Coldness
		283	Other Illnesses or Pains
		54	Lack of Supplies/Support or Equipment Problems

Cnt	Reason
4	O2 System Failure
68	Route Difficulty, Intimidation or Insufficient Ability
80	Too Late in Day or Too Slow
77	Assisting, Guiding, Supporting or Accompanying Others
15	Route/Camp Preparation or Fixing Rope
4	Insufficient Time Left for Expedition
60	Did Not Climb or Intend to Smt
148	Other
229	Unknown
1115	Unspecified

01/07/2017 Use of Oxygen Analysis (The Himalayan Database) Page 1

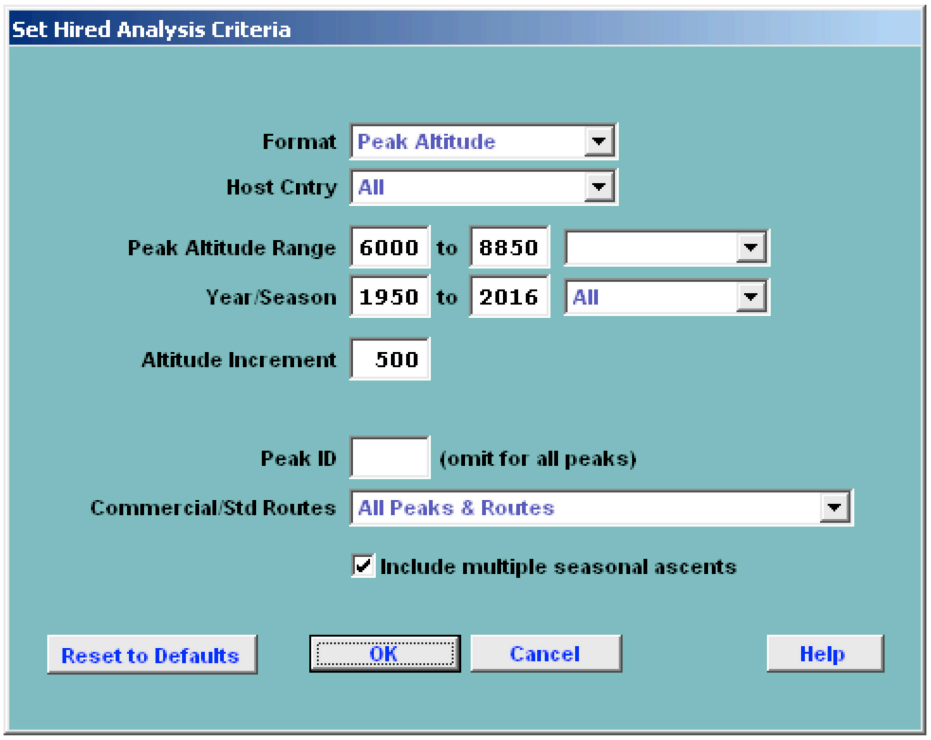
Oxygen Use Analysis Output – By Peak Altitude

The above example analyzes oxygen use for Cho Oyu from 1950 through 2016.

Hired Use Analysis

The hired use analysis analyzes member ascents and deaths by the use or non-use of hired personnel above base camp. Numbers above base camp, ascent counts and rates, death counts and rates, and oxygen use are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Hired Use analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship

Host Cntry
- All
- Nepal
- China
- India

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- *mmmm* to *nnnn* meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point

When the Peak Altitude format is chosen, an altitude step increment may be selected (the default is 500m). When the Expedition Year format is chosen, a year step increment may be selected (the default is 5 years). When the Age format is chosen, an age step increment and starting point may be selected (the default is 5 years). No increments are available for the Season and Citizenship formats.

Order & Minimum Above BC

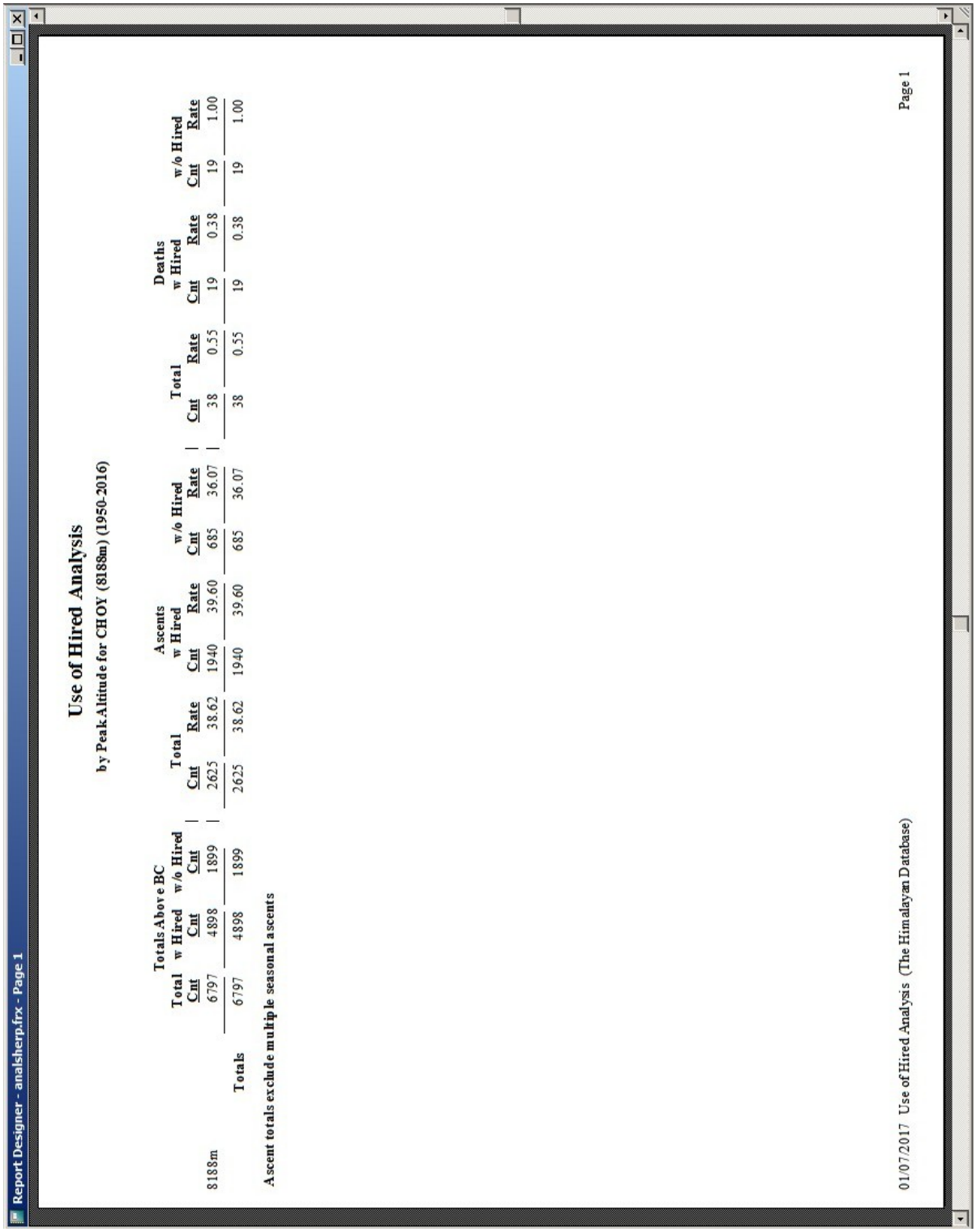
When the Citizenship format is chosen, the output order may be sorted by one of the orders below (the default is Country Name).

Country Name
Members Above BC
Ascents
Ascent Rate
Deaths
Death Rate

The output may be limited to nations with "n" members above BC.

Peak ID

Commercial/Std Routes (see "*Expedition Analysis"* above)



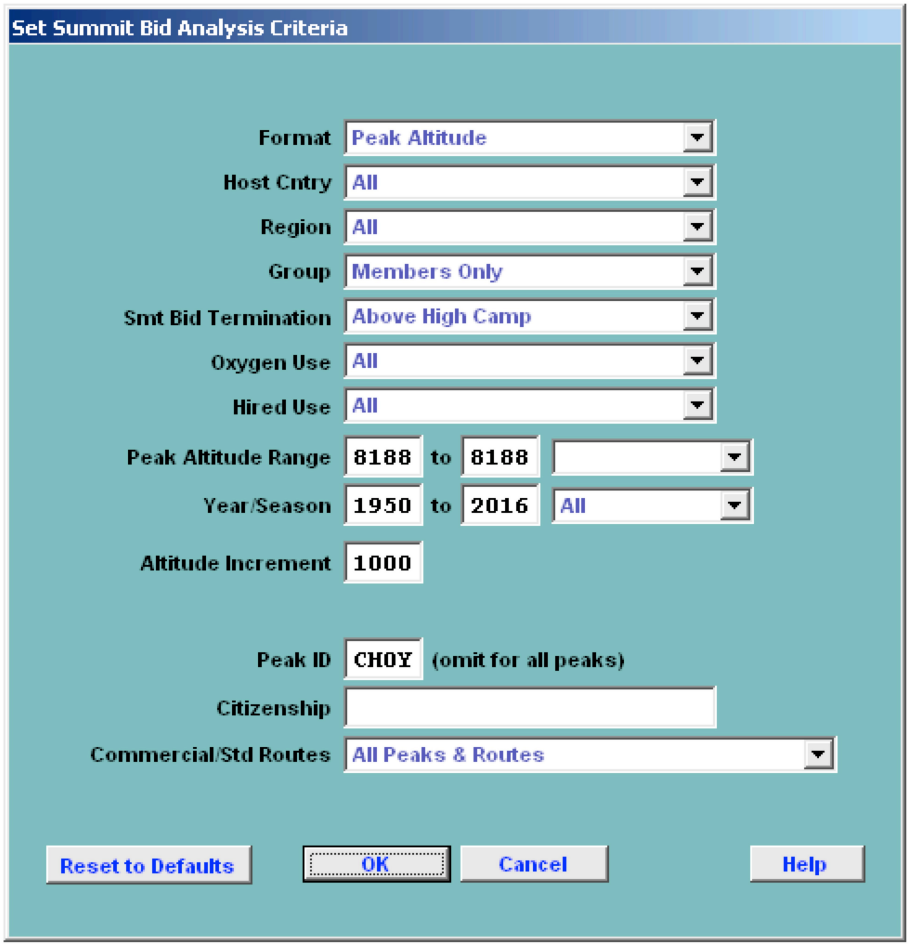
Use of Hired Analysis Output – By Peak Altitude

The above example analyzes the use of hired personnel for Cho Oyu from 1950 through 2016.

Summit Bid Analysis

The Summit Bid analysis analyzes summit bids by members and hired personnel above base camp. Numbers above base camp, summit bid, ascent and death counts are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Summit Bid analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship
- Date of Summit

Host Cntry
- All
- Nepal
- China
- India

Region (see "*Expedition Analysis*" above)

Group
- Members Only
- Women Members Only
- Hired Only
- Members & Hired

Summit Bid Termination
- Below High Camp and Above
- At High Camp and Above
- Above High Camp (default)

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- mmmm to nnnn meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point
- When the Peak Altitude format is chosen, an altitude step increment may be selected (default is 500m).
- When the Expedition Year format is chosen, a year step increment may be selected (default is 5 years).
- When the Age format is chosen, an age step increment and starting point may be selected (default is 5 years).
- No increments are available for Season and Citizenship.

Date Increment (days)
- When the Date of Summit for is chosen, a date range increment May be selected (default is 1 day).

Peak ID

Citizenship
- The output may be limited to ascents by a single citizenship.

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Region and Summit Termination criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.

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Summit Bid Analysis

by Peak Altitude for CHOY (8188m) (1950-2016)

Members Only, Terminating Above High Camp

	Members Above BC			Summit Bids Terminating Above High Camp			Ascents			Summit Bid Deaths w/o Summiting			Summit Bid Deaths After Summiting		
	Total Cnt	Male Cnt	Female Cnt	Total Cnt	Male Cnt	Female Cnt	Total Cnt	Male Cnt	Female Cnt	Total Cnt	Male Cnt	Female Cnt	Total Cnt	Male Cnt	Female Cnt
8188m	6792	6037	755	3428	3053	375	2631	2333	298	14	13	1	9	9	0
Totals	6792	6037	755	3428	3053	375	2631	2333	298	14	13	1	9	9	0

Totals exclude multiple seasonal ascents
Totals exclude unknown members

Ascent Summary

15 Solo ascents
15 Traverses
76 Ski/snowboard descents
11 Parapente descents

15 Disputed ascents
22 Unrecognized ascents

05/11/2020 Summit Bid Analysis (The Himalayan Database)

Page 1

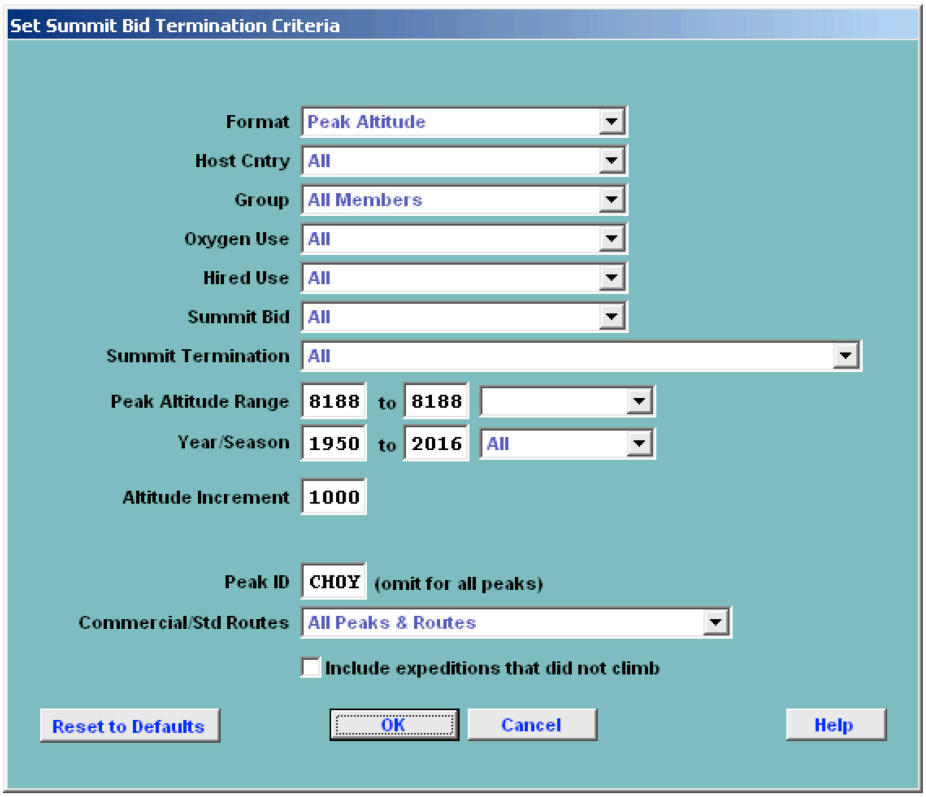
Summit Bid Analysis Output – By Peak Altitude

The above example analyzes summit bids for Cho Oyu from 1950 through 2016.

Termination Analysis

The Summit Bid Termination analysis analyzes the results of summit bids by members. The status of summit bids are given for each group in the printed report and the Excel export.

In the Analysis Criteria dialog box, select the criteria that you want:



The criteria options for the Summit Bid Termination analysis are:

Format – emphasis and format of output
- Peak Altitude
- Expedition Year
- Season
- Age
- Citizenship

Host Cntry
- All
- Nepal
- China
- India

Group
- All Members
- Women Only
- Men Only

Oxygen Use
- All
- Oxygen Used
- No Oxygen Used

Hired Use
- All
- Hired Used Above BC
- No Hired Used Above BC

Summit Bid (see "*Death Analysis"* above)

Summit Termination (see "*Member & Gender Analysis"* above)

Peak Altitude Range
- All Peaks
- 6000ers
- 7000ers
- 8000ers
- mmmm to nnnn meter peaks

Year/Season – expedition year/season range

Altitude/Year/Age Increment & Age Starting Point
- When the Peak Altitude format is chosen, an altitude step increment may be selected (default is 500m).
- When the Expedition Year format is chosen, a year step increment may be selected (default is 5 years).
- When the Age format is chosen, an age step increment and starting point may be selected (default is 5 years).
- No increments are available for Season and Citizenship.

Order
- Country Name
- Members Above BC
- Ascents
- Ascent Rate
- Deaths
- Death Rate

When the Citizenship format is chosen, the output order may be sorted by one of the orders below (default is Country Name).

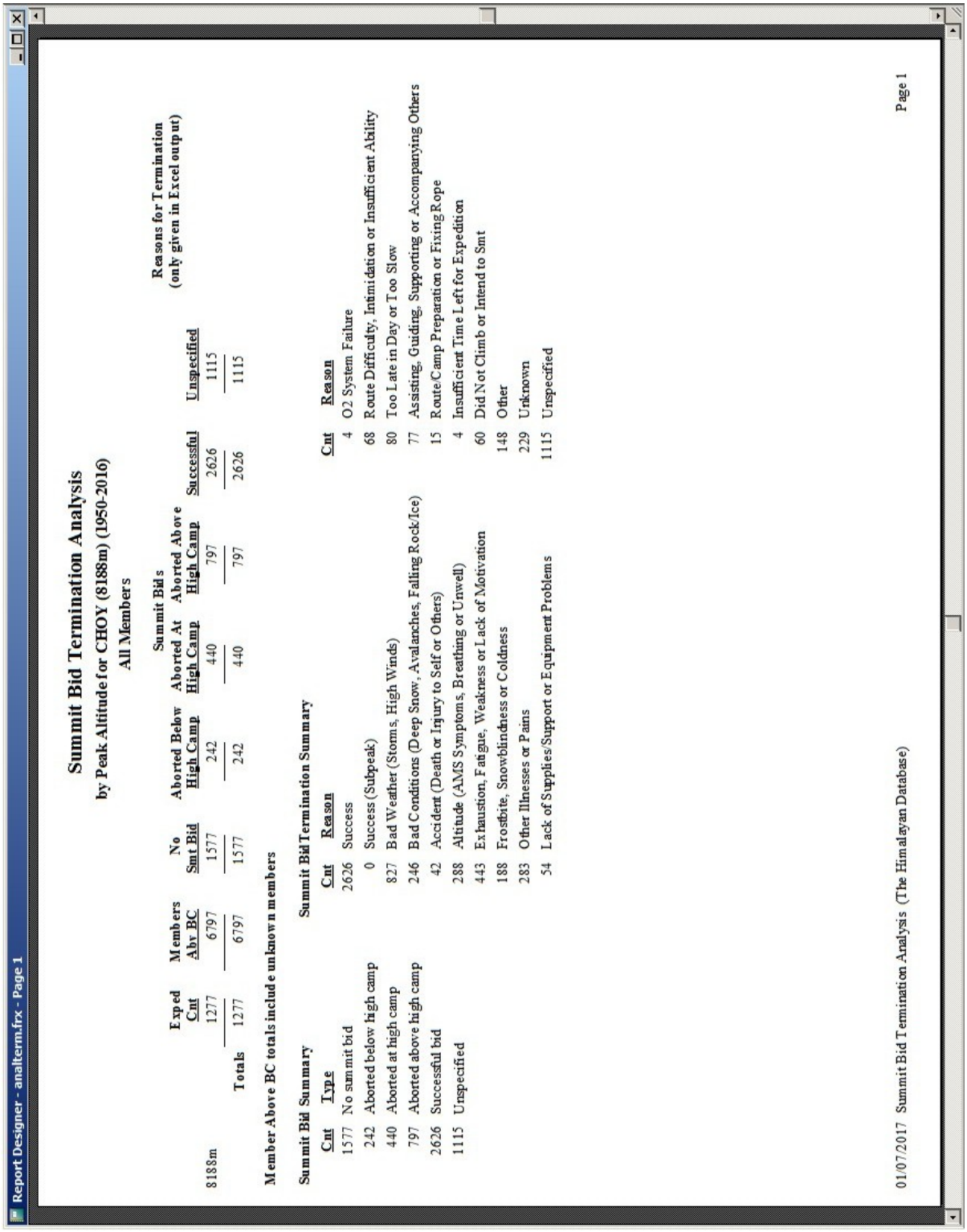
Minimum Above BC
- The output may be limited to nations with "n" members above BC.

Peak ID

Citizenship
- The output may be limited to ascents by a single citizenship.

Commercial/Std Routes (see "*Expedition Analysis"* above)

Combinations (multiple selections) can be made for the Summit Bid and Summit Termination criteria. Clicking on the Combinations choice will bring up a Pick dialog, from which you can select multiple items.



Termination Analysis Output – By Peak Altitude

The above example analyzes summit bid terminations for Cho Oyu from 1950 through 2016.