

APPENDIX 2: RESULTS OF STATISTICAL TESTS ON GENDER/AGE AND ELEVATION

SCHEFFE'S TEST

Gender/Age Group	Mean Observed Elevation	Ranked Mean	N	Scheffe Grouping/Significance	
Cows with Calves	1898 meters	936.92	690	A	
Yearlings Unclassified	1895 meters	890.88	12	A	
Cows without Calves	1868 meters	843.42	448	A	
Yearling Cows	1812 meters	718.82	38	A	
Adult Unclassified	1697 meters	322.10	12		B
Bulls	1673 meters	359.33	272		B
Yearling Bulls	1664 meters	313.36	59		B

Degrees of Freedom: 1524

Alpha: 0.05

Minimum Significant Difference: 325.79

Critical Value of F: 2.10452

DUNCAN'S MULTIPLE RANGE TEST

Gender/Age Group	Mean Observed Elevation	Ranked Mean	N	Duncan Grouping/Significance		
Cows with Calves	1898 meters	936.92	690	A		
Yearlings Unclassified	1895 meters	890.88	12	A	B	
Cows without Calves	1868 meters	843.42	448	A	B	
Yearling Cows	1812 meters	718.82	38		B	
Adult Unclassified	1697 meters	322.10	12			C
Bulls	1673 meters	359.33	272			C
Yearling Bulls	1664 meters	313.36	59			C

Degrees of Freedom: 1524

Alpha: 0.05

Number of Means:

2	3	4	5	6	7
179.8	189.4	195.7	200.4	204.1	207.1

Critical Range: