

Analysis of Andromeda Employee Data for Clean Up

Frequency Report of Job Title

The FREQ Procedure

Job_Title	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Account Manager	1	0.24	1	0.24
Accountant I	4	0.94	5	1.18
Accountant II	4	0.94	9	2.12
Accountant III	1	0.24	10	2.36
Accountant i	1	0.24	11	2.59
Accountant ii	1	0.24	12	2.83
Accountant iii	1	0.24	13	3.07
Administration Manager	2	0.47	15	3.54
Applications Developer I	4	0.94	19	4.48
Applications Developer II	3	0.71	22	5.19
Applications Developer IV	3	0.71	25	5.90
Auditing Manager	1	0.24	26	6.13
Auditor I	2	0.47	28	6.60
Auditor II	2	0.47	30	7.08
Auditor III	1	0.24	31	7.31
BI Administrator IV	1	0.24	32	7.55
BI Architect II	1	0.24	33	7.78
BI Specialist II	1	0.24	34	8.02
Building Admin. Manager	1	0.24	35	8.25
Business Analyst II	2	0.47	37	8.73
Business Analyst III	1	0.24	38	8.96
Cabinet Maker II	1	0.24	39	9.20
Cabinet Maker III	1	0.24	40	9.43
Chief Executive Officer	1	0.24	41	9.67
Chief Financial Officer	1	0.24	42	9.91
Chief Marketing Officer	1	0.24	43	10.14
Chief Sales Officer	1	0.24	44	10.38
Clerk I	2	0.47	46	10.85
Concession Assistant I	1	0.24	47	11.08
Concession Assistant II	1	0.24	48	11.32
Concession Assistant III	2	0.47	50	11.79
Concession Consultant I	2	0.47	52	12.26
Concession Consultant II	2	0.47	54	12.74
Concession Consultant III	1	0.24	55	12.97

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Job_Title	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Concession Director	1	0.24	56	13.21
Concession Manager	1	0.24	57	13.44
Corp. Comm. Manager	1	0.24	58	13.68
Corp. Comm. Specialist I	1	0.24	59	13.92
Corp. Comm. Specialist II	1	0.24	60	14.15
Director	3	0.71	63	14.86
ETL Specialist I	1	0.24	64	15.09
ETL Specialist II	1	0.24	65	15.33
Electrician II	2	0.47	67	15.80
Electrician III	1	0.24	68	16.04
Electrician IV	1	0.24	69	16.27
Events Manager	1	0.24	70	16.51
Finance Manager	1	0.24	71	16.75
Financial Analyst II	1	0.24	72	16.98
Financial Analyst III	1	0.24	73	17.22
Financial Controller I	1	0.24	74	17.45
Financial Controller II	1	0.24	75	17.69
Financial Controller III	3	0.71	78	18.40
HR Analyst II	2	0.47	80	18.87
HR Generalist I	1	0.24	81	19.10
HR Generalist II	1	0.24	82	19.34
HR Generalist III	1	0.24	83	19.58
HR Manager	1	0.24	84	19.81
HR Specialist I	2	0.47	86	20.28
HR Specialist II	1	0.24	87	20.52
IS Administrator I	1	0.24	88	20.75
IS Administrator II	1	0.24	89	20.99
IS Administrator III	1	0.24	90	21.23
IS Architect III	1	0.24	91	21.46
IS Director	1	0.24	92	21.70
Logistics Coordinator I	1	0.24	93	21.93
Logistics Coordinator II	2	0.47	95	22.41
Logistics Manager	2	0.47	97	22.88
Marketing Assistant I	1	0.24	98	23.11

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Job_Title	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Marketing Assistant II	5	1.18	103	24.29
Marketing Assistant III	1	0.24	104	24.53
Marketing Assistant IV	1	0.24	105	24.76
Marketing Manager	3	0.71	108	25.47
Office Administrator I	1	0.24	109	25.71
Office Administrator II	1	0.24	110	25.94
Office Assistant I	2	0.47	112	26.42
Office Assistant II	2	0.47	114	26.89
Office Assistant III	3	0.71	117	27.59
Office Assistant IV	1	0.24	118	27.83
Pricing Manager	1	0.24	119	28.07
Pricing Specialist	1	0.24	120	28.30
Project Manager	1	0.24	121	28.54
Purchasing Agent I	6	1.42	127	29.95
Purchasing Agent II	5	1.18	132	31.13
Purchasing Agent III	4	0.94	136	32.08
Purchasing Manager	3	0.71	139	32.78
Recruiter I	1	0.24	140	33.02
Recruiter II	1	0.24	141	33.25
Recruiter III	1	0.24	142	33.49
Recruitment Manager	1	0.24	143	33.73
Sales Manager	4	0.94	147	34.67
Sales Rep. I	63	14.86	210	49.53
Sales Rep. II	46	10.85	256	60.38
Sales Rep. III	34	8.02	290	68.40
Sales Rep. IV	16	3.77	306	72.17
Secretary I	1	0.24	307	72.41
Secretary II	2	0.47	309	72.88
Secretary III	2	0.47	311	73.35
Secretary IV	1	0.24	312	73.58
Security Guard I	3	0.71	315	74.29
Security Guard II	4	0.94	319	75.24
Security Manager	2	0.47	321	75.71
Senior Logistics Manager	2	0.47	323	76.18

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Job_Title	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Senior Marketing Manager	1	0.24	324	76.42
Senior Project Manager	1	0.24	325	76.65
Senior Sales Manager	1	0.24	326	76.89
Senior Strategist	1	0.24	327	77.12
Service Administrator I	2	0.47	329	77.59
Service Administrator III	1	0.24	330	77.83
Service Assistant I	3	0.71	333	78.54
Service Assistant II	2	0.47	335	79.01
Services Assistant IV	1	0.24	336	79.25
Services Manager	1	0.24	337	79.48
Shipping Administrator I	1	0.24	338	79.72
Shipping Agent I	3	0.71	341	80.42
Shipping Agent II	3	0.71	344	81.13
Shipping Agent III	3	0.71	347	81.84
Shipping Manager	5	1.18	352	83.02
Strategist II	1	0.24	353	83.25
Systems Architect II	1	0.24	354	83.49
Systems Architect IV	1	0.24	355	83.73
Technical Manager	1	0.24	356	83.96
Technician I	1	0.24	357	84.20
Technician II	1	0.24	358	84.43
Temp. Sales Rep.	24	5.66	382	90.09
Trainee	18	4.25	400	94.34
Trainer I	2	0.47	402	94.81
Trainer II	1	0.24	403	95.05
Trainer III	1	0.24	404	95.28
Training Manager	1	0.24	405	95.52
Vice President	1	0.24	406	95.75
Warehouse Assistant I	9	2.12	415	97.88
Warehouse Assistant II	3	0.71	418	98.58
Warehouse Assistant III	2	0.47	420	99.06
Warehouse Assistant IV	1	0.24	421	99.29
Warehouse Assistant i	1	0.24	422	99.53

Analysis of Andromeda Employee Data for Clean Up**Frequency Report of Job Title****The FREQ Procedure**

Job_Title	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Warehouse Assistant ii	1	0.24	423	99.76
Warehouse Manager	1	0.24	424	100.00

Analysis of Andromeda Employee Data for Clean Up Analysis of Salary Values

The UNIVARIATE Procedure Variable: Salary

Moments			
N	421	Sum Weights	421
Mean	48929.1116	Sum Observations	20599156
Std Deviation	161765.428	Variance	2.61681E10
Skewness	13.6865528	Kurtosis	192.673564
Uncorrected SS	1.19985E13	Corrected SS	1.09906E13
Coeff Variation	330.611823	Std Error Mean	7883.96456

Basic Statistical Measures			
Location		Variability	
Mean	48929.11	Std Deviation	161765
Median	28745.00	Variance	2.61681E10
Mode	25020.00	Range	2409549
		Interquartile Range	9695

Note: The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	6.206156	Pr > t 	<.0001
Sign	M	210.5	Pr >= M 	<.0001
Signed Rank	S	44415.5	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2410000
99%	243190
95%	65555
90%	55400
75% Q3	36440
50% Median	28745
25% Q1	26745
10%	25905
5%	25285
1%	24390
0% Min	451

Analysis of Andromeda Employee Data for Clean Up

Analysis of Salary Values

The UNIVARIATE Procedure
Variable: Salary

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
451	339	243190	2
470	351	268455	157
24015	226	433800	1
24025	221	2271000	63
24390	14	2410000	227

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	0.71	100.00

Analysis of Andromeda Employee Data for Clean Up

Salary Values to be Investigated

Obs	Level	Employee_Name	Job_Title	Salary
31	6	Aquilla O'Carroll	Temp. Sales Rep.	.
33	6	Karen Costine	Temp. Sales Rep.	.
34	6	Lee Stouchko	Temp. Sales Rep.	.
63	6	Tulsidas Ould	Sales Rep. I	2271000
227	5	Ivor Czernezkyi	Trainee	2410000
339	4	Ramond Capps	Auditor II	451
351	4	Ralph Ferrari	Financial Controller II	470

Number of Different Jobs in Cleaned Data

The FREQ Procedure

Number of Variable Levels	
Variable	Levels
Job_Title	132

List of Andromeda Employees to be Reviewed for Orion Positions

Level	Job_Title	Employee_Name
1	Chief Executive Officer	Anthony Miller

Level	Job_Title	Employee_Name
2	Chief Sales Officer	Harry Highpoint
	Chief Financial Officer	Max Crown
	Chief Marketing Officer	Christine Fletcher
	Director	Jay Havasy

Level	Job_Title	Employee_Name
3	Vice President	Henri Le Bleu
	IS Director	Fred Benyami
	Concession Director	Grezegorz Nuss
	Director	Patrick Lu

Level	Job_Title	Employee_Name
4	Director	Reginald Steiber

Level	Job_Title	Employee_Name
5	Temp. Sales Rep.	Mihailo Lachlan
	Temp. Sales Rep.	Shanmuganathan Baran
	Temp. Sales Rep.	Reyne Catenacci
	Temp. Sales Rep.	Merryn Quinby
	Temp. Sales Rep.	Sharon Bahlman
	Temp. Sales Rep.	Ari Moore
	Temp. Sales Rep.	Brig Blanton
	Temp. Sales Rep.	Geok-Seng Barreto
	Temp. Sales Rep.	Lorian Cantatore

List of Andromeda Employees to be Reviewed for Orion Positions

Level	Job_Title	Employee_Name
6	Temp. Sales Rep.	Deginald Gonzalez
	Temp. Sales Rep.	Randy Helyar
	Temp. Sales Rep.	Stancey Scarbrough
	Temp. Sales Rep.	Halouise Cassone
	Temp. Sales Rep.	Susan Labach
	Temp. Sales Rep.	Bruce Armogida
	Temp. Sales Rep.	Paul Lawson
	Temp. Sales Rep.	Teresa Sergi
	Temp. Sales Rep.	Mary Bond-Teague
	Temp. Sales Rep.	Aquilla O'Carroll
	Temp. Sales Rep.	Okema Whipkey
	Temp. Sales Rep.	Karen Costine
	Temp. Sales Rep.	Lee Stouchko
	Temp. Sales Rep.	Salim Maholo
	Temp. Sales Rep.	Albert Knapp