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Sample of Billionaires Dataset

Obs	name	company_name	company_relationship	company_sector	company_type	gender	location	location_code	region	wealth_type	wealth_how
1	Bill Gates	Microsoft	founder	Software	new	male	United States	USA	North America	founder non-finance	New Sectors
2	Bill Gates	Microsoft	founder	Software	new	male	United States	USA	North America	founder non-finance	New Sectors
3	Bill Gates	Microsoft	founder	Software	new	male	United States	USA	North America	founder non-finance	New Sectors
4	Warren Buffett	Berkshire Hathaway	founder	Finance	new	male	United States	USA	North America	founder non-finance	Traded Sectors
5	Warren Buffett	Berkshire Hathaway	founder	Finance	new	male	United States	USA	North America	founder non-finance	Traded Sectors
6	Carlos Slim Helu	Telmex	founder	Communications	privatization	male	Mexico	MEX	Latin America	privatized and resources	Non-Traded Sectors
7	Oeri Hoffman and Sacher	F. Hoffmann-La Roche		pharmaceuticals	new		Switzerland	CHE	Europe	inherited	New Sectors
8	Paul Allen	Microsoft	founder	technology	new	male	United States	USA	North America	founder non-finance	New Sectors
9	Amancio Ortega	Zara	founder	Fashion	new	male	Spain	ESP	Europe	founder non-finance	Non-Traded Sectors
10	Lee Shau Kee	Henderson Land Development	founder/chairman	real estate	new	male	Hong Kong	HKG	East Asia	self-made finance	Financial

Obs	wealth_how_industry	wealth_inherited	location_gdp	rank	year	company_founded	age	wealth_bn
1	Technology-Computer	not inherited	8,100,000,000,000	1	1996	1975	40	18.5
2	Technology-Computer	not inherited	10,600,000,000,000	1	2001	1975	45	58.7
3	Technology-Computer	not inherited	0	1	2014	1975	58	76.0
4	Consumer	not inherited	8,100,000,000,000	2	1996	1962	65	15.0
5	Consumer	not inherited	10,600,000,000,000	2	2001	1962	70	32.3
6	Media	not inherited	0	2	2014	1990	74	72.0
7	Technology-Medical	3rd generation	330,000,000,000	3	1996	1896	0	13.1
8	Technology-Computer	not inherited	10,600,000,000,000	3	2001	1975	48	30.4
9	Retail, Restaurant	not inherited	0	3	2014	1975	77	64.0
10	Real Estate	not inherited	160,000,000,000	4	1996	1976	68	12.7

Directory	
Libref	WORK
Engine	V9
Physical Name	/tmp/SAS_work9FFA00001B3A_localhost.localdomain/SAS_work335E00001B3A_localhost.localdomain
Filename	/tmp/SAS_work9FFA00001B3A_localhost.localdomain/SAS_work335E00001B3A_localhost.localdomain
Inode Number	281204
Access Permission	rwX-----
Owner Name	sasdemo
File Size	4KB
File Size (bytes)	4096

#	Name	Member Type	File Size	Last Modified
1	BILLIONAIRES	DATA	1MB	10/04/2021 10:53:25
2	REGSTRY	ITEMSTOR	32KB	10/04/2021 10:53:00
3	SASGOPT	CATALOG	12KB	10/04/2021 10:53:00
4	SASMAC1	CATALOG	208KB	10/04/2021 10:53:00
5	SASMAC2	CATALOG	20KB	10/04/2021 10:53:00
6	SASMAC3	CATALOG	20KB	10/04/2021 10:53:00
7	SASMAC4	CATALOG	20KB	10/04/2021 10:53:24
8	SASMAC5	CATALOG	20KB	10/04/2021 10:53:00
9	SASMAC6	CATALOG	20KB	10/04/2021 10:53:00
10	SASMAC7	CATALOG	20KB	10/04/2021 10:53:00
11	SASMAC8	CATALOG	20KB	10/04/2021 10:53:00
12	SASMAC9	CATALOG	20KB	10/04/2021 10:53:00
13	SASMACR	CATALOG	20KB	10/04/2021 10:53:00

Properties of Billionaires Dataset

The DATASETS Procedure

Data Set Name	WORK.BILLIONAIRES	Observations	2614
Member Type	DATA	Variables	19
Engine	V9	Indexes	0
Created	10/04/2021 11:53:25	Observation Length	440
Last Modified	10/04/2021 11:53:25	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	18
First Data Page	1
Max Obs per Page	148
Obs in First Data Page	139
Number of Data Set Repairs	0
Filename	/tmp/SAS_work9FFA00001B3A_localhost.localdomain/SAS_work335E00001B3A_localhost.localdomain/billionaires.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	281244
Access Permission	rw-rw-r--
Owner Name	sasdemo
File Size	1MB
File Size (bytes)	1245184

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
18	age	Num	8		
17	company_founded	Num	8		
2	company_name	Char	59		
3	company_relationship	Char	46		
4	company_sector	Char	52		
5	company_type	Char	22		
6	gender	Char	14		
7	location	Char	20		
8	location_code	Char	6		
14	location_gdp	Num	8	COMMA20.	E14.
1	name	Char	45		
15	rank	Num	8		
9	region	Char	24		
19	wealth_bn	Num	8		
11	wealth_how	Char	18		
12	wealth_how_industry	Char	31		
13	wealth_inherited	Char	24		
10	wealth_type	Char	24		
16	year	Num	8		

Frequencies of Character Variables

The FREQ Procedure

company_relationship	Frequency	Percent	Cumulative Frequency	Cumulative Percent
founder	1214	47.27	1214	47.27
relation	945	36.80	2159	84.07
owner	94	3.66	2253	87.73
chairman	76	2.96	2329	90.69
investor	41	1.60	2370	92.29
Chairman and Chief Executive Officer	30	1.17	2400	93.46
CEO	16	0.62	2416	94.08
president	13	0.51	2429	94.59
ceo	9	0.35	2438	94.94
Chairman	8	0.31	2446	95.25
former CEO	8	0.31	2454	95.56
founder and chairman	7	0.27	2461	95.83
Relation	6	0.23	2467	96.07
founder/chairman	5	0.19	2472	96.26
relation and chairman	5	0.19	2477	96.46
founder and CEO	4	0.16	2481	96.61
founder/CEO	4	0.16	2485	96.77
partner	4	0.16	2489	96.92
Vice Chairman	3	0.12	2492	97.04
employee	3	0.12	2495	97.16
executive chairman	3	0.12	2498	97.27
former chairman and CEO	3	0.12	2501	97.39
founder/relation	3	0.12	2504	97.51
Chief Executive	2	0.08	2506	97.59
chariman	2	0.08	2508	97.66
co-chairman	2	0.08	2510	97.74
founder CEO owner	2	0.08	2512	97.82
founder, chairman	2	0.08	2514	97.90
founder, chairman, ceo	2	0.08	2516	97.98
founder/vice chairman	2	0.08	2518	98.05
general director	2	0.08	2520	98.13
head of Microsoft's application software group	2	0.08	2522	98.21
investor and CEO	2	0.08	2524	98.29
leadership	2	0.08	2526	98.36
president and ceo	2	0.08	2528	98.44
relative	2	0.08	2530	98.52
vice-chairman	2	0.08	2532	98.60
COO	1	0.04	2533	98.64
Chairman, CEO	1	0.04	2534	98.68
Chairman/founder	1	0.04	2535	98.71
Chairman/shareholder	1	0.04	2536	98.75
Exectuitve Director	1	0.04	2537	98.79
Global Head of Real Estate	1	0.04	2538	98.83
Head of Board of Directors	1	0.04	2539	98.87
Honorary President for Life	1	0.04	2540	98.91
Vice President	1	0.04	2541	98.95
Vice President of Infrastructure Software	1	0.04	2542	98.99
chairman and ceo	1	0.04	2543	99.03
chairman of management committee	1	0.04	2544	99.07
chairman of the board	1	0.04	2545	99.10
chairwomen	1	0.04	2546	99.14
co-director of zinc, copper and lead	1	0.04	2547	99.18
deputy chairman	1	0.04	2548	99.22
director	1	0.04	2549	99.26
founder and ceo	1	0.04	2550	99.30
founder and chairwoman	1	0.04	2551	99.34
founder and executive chairman	1	0.04	2552	99.38
founder and executive vice chairman	1	0.04	2553	99.42
Frequency Missing = 46				

Frequencies of Character Variables

The FREQ Procedure

company_relationship	Frequency	Percent	Cumulative Frequency	Cumulative Percent
founder, chairwoman, ceo	1	0.04	2554	99.45
founder/president	1	0.04	2555	99.49
head of high-yield bond trading dept	1	0.04	2556	99.53
inherited	1	0.04	2557	99.57
inventor	1	0.04	2558	99.61
investor/founder	1	0.04	2559	99.65
lawer	1	0.04	2560	99.69
lawyer	1	0.04	2561	99.73
owner and former CEO	1	0.04	2562	99.77
owner and vice chair	1	0.04	2563	99.81
relation and ceo	1	0.04	2564	99.84
relation/vice chairman	1	0.04	2565	99.88
shareholder	1	0.04	2566	99.92
supervisory board or directors	1	0.04	2567	99.96
vice chairman	1	0.04	2568	100.00
Frequency Missing = 46				

company_type	Frequency	Percent	Cumulative Frequency	Cumulative Percent
new	2302	89.29	2302	89.29
aquired	196	7.60	2498	96.90
privatization	42	1.63	2540	98.53
subsidiary	9	0.35	2549	98.88
acquired	7	0.27	2556	99.15
state owned enterprise	7	0.27	2563	99.42
merger	3	0.12	2566	99.53
new/aquired	3	0.12	2569	99.65
franchise	2	0.08	2571	99.73
new, privitization	2	0.08	2573	99.81
franchise rights	1	0.04	2574	99.84
joint venture	1	0.04	2575	99.88
neew	1	0.04	2576	99.92
new division	1	0.04	2577	99.96
privatized	1	0.04	2578	100.00
Frequency Missing = 36				

gender	Frequency	Percent	Cumulative Frequency	Cumulative Percent
male	2328	90.23	2328	90.23
female	249	9.65	2577	99.88
married couple	3	0.12	2580	100.00
Frequency Missing = 34				

Frequencies of Character Variables

The FREQ Procedure

location	Frequency	Percent	Cumulative Frequency	Cumulative Percent
United States	903	34.54	903	34.54
Germany	160	6.12	1063	40.67
China	153	5.85	1216	46.52
Russia	119	4.55	1335	51.07
Japan	96	3.67	1431	54.74
Brazil	81	3.10	1512	57.84
Hong Kong	77	2.95	1589	60.79
France	72	2.75	1661	63.54
United Kingdom	65	2.49	1726	66.03
India	63	2.41	1789	68.44
Italy	58	2.22	1847	70.66
Canada	53	2.03	1900	72.69
Switzerland	51	1.95	1951	74.64
Mexico	44	1.68	1995	76.32
Taiwan	40	1.53	2035	77.85
Spain	37	1.42	2072	79.27
South Korea	36	1.38	2108	80.64
Australia	33	1.26	2141	81.91
Turkey	32	1.22	2173	83.13
Indonesia	31	1.19	2204	84.32
Malaysia	28	1.07	2232	85.39
Sweden	27	1.03	2259	86.42
Israel	26	0.99	2285	87.41
Singapore	26	0.99	2311	88.41
Thailand	23	0.88	2334	89.29
Philippines	22	0.84	2356	90.13
Saudi Arabia	22	0.84	2378	90.97
Chile	19	0.73	2397	91.70
Argentina	12	0.46	2409	92.16
Netherlands	12	0.46	2421	92.62
South Africa	12	0.46	2433	93.08
Greece	11	0.42	2444	93.50
Norway	11	0.42	2455	93.92
Austria	10	0.38	2465	94.30
Denmark	10	0.38	2475	94.68
Egypt	9	0.34	2484	95.03
Lebanon	9	0.34	2493	95.37
Peru	9	0.34	2502	95.72
Ukraine	9	0.34	2511	96.06
Colombia	8	0.31	2519	96.37
Ireland	8	0.31	2527	96.67
Kuwait	7	0.27	2534	96.94
Venezuela	7	0.27	2541	97.21
Czech Republic	6	0.23	2547	97.44
Kazakhstan	5	0.19	2552	97.63
Poland	5	0.19	2557	97.82
Portugal	5	0.19	2562	98.01
United Arab Emirates	5	0.19	2567	98.20
Belgium	4	0.15	2571	98.36
Cyprus	4	0.15	2575	98.51
Finland	4	0.15	2579	98.66
Morocco	4	0.15	2583	98.81
Nigeria	4	0.15	2587	98.97
Monaco	3	0.11	2590	99.08
New Zealand	3	0.11	2593	99.20
Liechtenstein	2	0.08	2595	99.27
Macau	2	0.08	2597	99.35
Oman	2	0.08	2599	99.43
Algeria	1	0.04	2600	99.46

Frequencies of Character Variables

The FREQ Procedure

location	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Angola	1	0.04	2601	99.50
Bahrain	1	0.04	2602	99.54
Bermuda	1	0.04	2603	99.58
Ecuador	1	0.04	2604	99.62
Georgia	1	0.04	2605	99.66
Guernsey	1	0.04	2606	99.69
Lithuania	1	0.04	2607	99.73
Nepal	1	0.04	2608	99.77
Romania	1	0.04	2609	99.81
St. Kitts and Nevis	1	0.04	2610	99.85
Swaziland	1	0.04	2611	99.89
Tanzania	1	0.04	2612	99.92
Uganda	1	0.04	2613	99.96
Vietnam	1	0.04	2614	100.00

Frequencies of Character Variables

The FREQ Procedure

location_code	Frequency	Percent	Cumulative Frequency	Cumulative Percent
USA	903	34.54	903	34.54
DEU	160	6.12	1063	40.67
CHN	153	5.85	1216	46.52
RUS	119	4.55	1335	51.07
JPN	96	3.67	1431	54.74
BRA	81	3.10	1512	57.84
HKG	77	2.95	1589	60.79
FRA	72	2.75	1661	63.54
GBR	65	2.49	1726	66.03
IND	63	2.41	1789	68.44
ITA	58	2.22	1847	70.66
CAN	53	2.03	1900	72.69
CHE	51	1.95	1951	74.64
MEX	44	1.68	1995	76.32
Taiwan	40	1.53	2035	77.85
ESP	37	1.42	2072	79.27
KOR	36	1.38	2108	80.64
AUS	33	1.26	2141	81.91
TUR	32	1.22	2173	83.13
IDN	31	1.19	2204	84.32
MYS	28	1.07	2232	85.39
SWE	27	1.03	2259	86.42
ISR	26	0.99	2285	87.41
SGP	26	0.99	2311	88.41
THA	23	0.88	2334	89.29
PHL	22	0.84	2356	90.13
SAU	22	0.84	2378	90.97
CHL	19	0.73	2397	91.70
ARG	12	0.46	2409	92.16
NLD	12	0.46	2421	92.62
ZAF	12	0.46	2433	93.08
GRC	11	0.42	2444	93.50
NOR	11	0.42	2455	93.92
AUT	10	0.38	2465	94.30
LBN	9	0.34	2474	94.64
PER	9	0.34	2483	94.99
UKR	9	0.34	2492	95.33
COL	8	0.31	2500	95.64
EGY	8	0.31	2508	95.94
IRL	8	0.31	2516	96.25
KWT	7	0.27	2523	96.52
VEN	7	0.27	2530	96.79
CZE	6	0.23	2536	97.02
DEN	6	0.23	2542	97.25
ARE	5	0.19	2547	97.44
FIN	5	0.19	2552	97.63
KAZ	5	0.19	2557	97.82
POL	5	0.19	2562	98.01
PRT	5	0.19	2567	98.20
BEL	4	0.15	2571	98.36
CYP	4	0.15	2575	98.51
DNK	4	0.15	2579	98.66
MAR	4	0.15	2583	98.81
NGA	4	0.15	2587	98.97
MCO	3	0.11	2590	99.08
NZL	3	0.11	2593	99.20
LIE	2	0.08	2595	99.27
MAC	2	0.08	2597	99.35
OMN	2	0.08	2599	99.43

Frequencies of Character Variables

The FREQ Procedure

location_code	Frequency	Percent	Cumulative Frequency	Cumulative Percent
AGO	1	0.04	2600	99.46
BHR	1	0.04	2601	99.50
BMU	1	0.04	2602	99.54
DZA	1	0.04	2603	99.58
ECU	1	0.04	2604	99.62
GEO	1	0.04	2605	99.66
GGY	1	0.04	2606	99.69
KNA	1	0.04	2607	99.73
LTU	1	0.04	2608	99.77
NPL	1	0.04	2609	99.81
ROU	1	0.04	2610	99.85
SWZ	1	0.04	2611	99.89
TZA	1	0.04	2612	99.92
UGA	1	0.04	2613	99.96
VNM	1	0.04	2614	100.00

region	Frequency	Percent	Cumulative Frequency	Cumulative Percent
North America	992	37.95	992	37.95
Europe	698	26.70	1690	64.65
East Asia	535	20.47	2225	85.12
Latin America	182	6.96	2407	92.08
Middle East/North Africa	117	4.48	2524	96.56
South Asia	69	2.64	2593	99.20
Sub-Saharan Africa	20	0.77	2613	99.96
0	1	0.04	2614	100.00

wealth_type	Frequency	Percent	Cumulative Frequency	Cumulative Percent
inherited	953	36.77	953	36.77
founder non-finance	713	27.51	1666	64.27
self-made finance	500	19.29	2166	83.56
privatized and resources	236	9.10	2402	92.67
executive	190	7.33	2592	100.00
Frequency Missing = 22				

wealth_how	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Financial	800	30.62	800	30.62
Non-Traded Sectors	597	22.85	1397	53.46
Traded Sectors	564	21.58	1961	75.05
New Sectors	319	12.21	2280	87.26
Resource Related	245	9.38	2525	96.63
0	85	3.25	2610	99.89
Finance	1	0.04	2611	99.92
Trucking	1	0.04	2612	99.96
energy	1	0.04	2613	100.00
Frequency Missing = 1				

Frequencies of Character Variables

The FREQ Procedure

wealth_how_industry	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Consumer	471	18.03	471	18.03
Retail, Restaurant	281	10.75	752	28.78
Real Estate	280	10.72	1032	39.49
Money Management	249	9.53	1281	49.02
Media	219	8.38	1500	57.41
Technology-Computer	208	7.96	1708	65.37
Diversified financial	167	6.39	1875	71.76
Energy	132	5.05	2007	76.81
Technology-Medical	111	4.25	2118	81.06
Non-consumer industrial	107	4.09	2225	85.15
Constrution	97	3.71	2322	88.86
Mining and metals	90	3.44	2412	92.31
Other	83	3.18	2495	95.48
Hedge funds	67	2.56	2562	98.05
Private equity/leveraged buyout	25	0.96	2587	99.00
0	16	0.61	2603	99.62
Venture Capital	8	0.31	2611	99.92
banking	1	0.04	2612	99.96
services	1	0.04	2613	100.00
Frequency Missing = 1				

wealth_inherited	Frequency	Percent	Cumulative Frequency	Cumulative Percent
not inherited	1688	64.58	1688	64.58
father	558	21.35	2246	85.92
3rd generation	210	8.03	2456	93.96
4th generation	68	2.60	2524	96.56
spouse/widow	59	2.26	2583	98.81
5th generation or longer	31	1.19	2614	100.00