

Exercise 1

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
1789	Queensland	Male	09/14/1984	09/30/1984	Dead	blood	0
1790	Queensland	Male	07/16/1984	08/01/1984	Dead	blood	0
1791	Queensland	Male	03/09/1985	03/25/1985	Dead	blood	1
1792	Queensland	Male	02/05/1985	02/14/1985	Dead	hs	30
1793	Queensland	Male	01/20/1985	04/05/1987	Dead	hs	27
1794	Queensland	Male	02/19/1984	02/19/1984	Dead	blood	0
1795	Queensland	Female	03/04/1985	04/18/1985	Dead	blood	45
1796	Queensland	Male	03/18/1985	04/03/1985	Dead	hs	28
1797	Queensland	Male	03/10/1985	06/26/1985	Dead	hs	52
1798	Queensland	Male	04/14/1985	06/07/1986	Dead	hs	42

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
18	New South Wales	Male	11/27/1989	07/01/1991	Alive	haem	21
26	New South Wales	Male	04/09/1990	07/01/1991	Alive	haem	13
30	New South Wales	Male	11/28/1990	07/01/1991	Alive	mothe	1
45	New South Wales	Male	10/24/1984	02/10/1985	Dead	blood	25
52	New South Wales	Male	08/31/1984	08/07/1985	Dead	hs	25
71	New South Wales	Male	01/27/1985	02/28/1987	Dead	hs	23
78	New South Wales	Male	04/15/1985	06/01/1987	Dead	hs	23
83	New South Wales	Male	05/30/1985	08/15/1986	Dead	hs	25
116	New South Wales	Male	02/05/1985	12/27/1985	Dead	blood	16
118	New South Wales	Male	09/04/1985	07/07/1986	Dead	hs	24
119	New South Wales	Male	11/11/1985	05/05/1989	Dead	hs	25
121	New South Wales	Male	09/27/1985	04/18/1986	Dead	hs	23
131	New South Wales	Male	07/15/1985	09/18/1986	Dead	hs	25
137	New South Wales	Male	01/18/1986	11/12/1986	Dead	hs	20
145	New South Wales	Male	01/29/1986	12/01/1986	Dead	hs	24
180	New South Wales	Male	03/03/1986	12/18/1986	Dead	hsid	21
194	New South Wales	Male	07/04/1986	07/01/1991	Alive	hs	23
195	New South Wales	Male	06/05/1986	07/06/1986	Dead	hs	24
206	New South Wales	Male	08/06/1986	06/17/1987	Dead	hs	25
218	New South Wales	Male	05/29/1986	07/01/1991	Alive	hs	23
233	New South Wales	Male	09/16/1986	12/27/1986	Dead	hs	24
238	New South Wales	Male	09/03/1986	09/04/1986	Dead	hs	25
253	New South Wales	Male	01/12/1987	10/01/1987	Dead	hsid	25
254	New South Wales	Male	07/23/1986	07/30/1987	Dead	hs	21
272	New South Wales	Male	09/01/1986	09/09/1986	Dead	hs	20
273	New South Wales	Male	08/19/1985	08/19/1985	Dead	blood	12
274	New South Wales	Male	06/28/1984	06/28/1984	Dead	blood	11
286	New South Wales	Male	01/03/1987	01/31/1988	Dead	hsid	24
287	New South Wales	Male	01/04/1987	05/04/1987	Dead	hs	23
297	New South Wales	Male	02/13/1987	10/08/1987	Dead	hs	25
320	New South Wales	Male	06/06/1987	12/22/1987	Dead	hs	22
373	New South Wales	Male	03/11/1987	03/09/1989	Dead	hs	23
377	New South Wales	Male	04/27/1987	02/03/1988	Dead	hs	24
378	New South Wales	Male	03/20/1987	06/04/1989	Dead	hs	23
385	New South Wales	Male	08/17/1987	10/13/1988	Dead	hs	24
398	New South Wales	Male	06/08/1987	04/23/1988	Dead	hs	24
418	New South Wales	Male	10/15/1987	08/27/1988	Dead	hs	24
431	New South Wales	Male	11/01/1985	12/12/1989	Dead	blood	3

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
432	New South Wales	Male	11/23/1987	12/15/1987	Dead	hs	24
460	New South Wales	Male	08/28/1987	07/01/1991	Alive	hsid	24
491	New South Wales	Male	11/02/1987	12/02/1988	Dead	hsid	20
495	New South Wales	Male	08/30/1987	03/11/1988	Dead	hs	25
496	New South Wales	Male	05/21/1986	07/07/1986	Dead	hsid	24
514	New South Wales	Male	02/26/1988	11/28/1989	Dead	hs	25
540	New South Wales	Male	04/17/1988	08/30/1988	Dead	hs	23
567	New South Wales	Male	11/30/1987	01/06/1991	Dead	haem	21
579	New South Wales	Male	07/13/1988	11/04/1990	Dead	hs	25
584	New South Wales	Male	03/15/1988	07/01/1991	Alive	hs	22
606	New South Wales	Male	06/09/1988	07/12/1989	Dead	hs	24
608	New South Wales	Male	05/14/1988	03/23/1990	Dead	hs	24
612	New South Wales	Male	06/01/1988	07/01/1991	Alive	hs	25
619	New South Wales	Male	08/21/1988	09/09/1988	Dead	hs	24
621	New South Wales	Male	05/11/1988	02/19/1990	Dead	hs	23
652	New South Wales	Male	04/13/1988	07/01/1991	Alive	hs	24
656	New South Wales	Male	09/06/1988	07/01/1991	Alive	hs	25
660	New South Wales	Male	06/21/1988	03/09/1991	Dead	haem	20
672	New South Wales	Male	09/27/1988	07/26/1989	Dead	hs	22
679	New South Wales	Male	07/16/1988	12/23/1989	Dead	hs	25
686	New South Wales	Male	08/17/1988	07/18/1990	Dead	hs	23
696	New South Wales	Male	08/22/1988	08/21/1989	Dead	hsid	24
699	New South Wales	Male	08/01/1988	08/28/1989	Dead	hsid	24
700	New South Wales	Male	08/22/1988	02/03/1989	Dead	hs	24
706	New South Wales	Male	03/03/1988	07/30/1990	Dead	hs	22
726	New South Wales	Male	09/03/1988	10/21/1989	Dead	hs	25
733	New South Wales	Male	09/30/1988	07/01/1991	Alive	hs	23
736	New South Wales	Male	11/15/1988	07/01/1991	Alive	hs	23
760	New South Wales	Male	10/28/1988	07/01/1991	Alive	blood	18
773	New South Wales	Male	10/21/1988	06/27/1989	Dead	hs	23
781	New South Wales	Male	10/15/1988	03/21/1990	Dead	hsid	25
800	New South Wales	Male	03/26/1989	01/22/1991	Dead	hs	24
843	New South Wales	Male	01/23/1989	07/01/1991	Alive	hs	23
853	New South Wales	Male	08/29/1988	12/23/1989	Dead	hs	25
864	New South Wales	Male	02/14/1989	09/13/1990	Dead	hs	24
899	New South Wales	Male	08/14/1988	03/28/1990	Dead	hs	24
909	New South Wales	Male	06/22/1989	06/02/1991	Dead	hs	24
913	New South Wales	Male	05/31/1989	07/01/1991	Alive	hs	24

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
923	New South Wales	Male	06/10/1989	06/11/1989	Dead	blood	24
928	New South Wales	Male	09/25/1989	07/01/1991	Alive	hs	25
933	New South Wales	Male	01/05/1989	07/01/1991	Alive	blood	5
934	New South Wales	Male	06/24/1989	07/01/1991	Alive	mothe	3
935	New South Wales	Male	04/06/1989	12/18/1989	Dead	haem	15
960	New South Wales	Male	09/22/1989	06/26/1991	Alive	hs	25
961	New South Wales	Male	12/25/1989	07/01/1991	Alive	hs	25
964	New South Wales	Male	07/28/1989	12/25/1989	Dead	hs	25
1014	New South Wales	Male	08/14/1989	07/01/1991	Alive	hs	25
1053	New South Wales	Male	06/08/1989	01/25/1990	Dead	haem	15
1072	New South Wales	Male	06/26/1988	07/30/1988	Dead	hsid	21
1105	New South Wales	Male	09/25/1989	07/01/1991	Alive	hs	22
1131	New South Wales	Male	01/17/1990	07/01/1991	Alive	hs	25
1133	New South Wales	Male	04/18/1990	07/01/1991	Alive	hs	25
1142	New South Wales	Male	12/13/1989	02/27/1991	Dead	hs	20
1211	New South Wales	Male	12/23/1988	01/10/1989	Dead	hsid	23
1216	New South Wales	Male	07/29/1990	07/01/1991	Alive	hs	24
1273	New South Wales	Male	08/31/1987	12/12/1987	Dead	haem	25
1274	New South Wales	Male	01/31/1990	06/18/1991	Alive	haem	16
1278	New South Wales	Male	12/16/1989	03/18/1990	Dead	haem	14
1298	New South Wales	Male	10/11/1989	07/01/1991	Alive	hsid	22
1309	New South Wales	Male	10/28/1990	07/01/1991	Alive	hs	24
1319	New South Wales	Male	03/30/1990	07/01/1991	Alive	hs	25
1360	New South Wales	Male	07/11/1990	07/01/1991	Alive	haem	25
1367	New South Wales	Male	04/13/1990	07/01/1991	Alive	haem	18
1368	New South Wales	Male	06/09/1989	06/09/1989	Dead	hs	25
1372	New South Wales	Male	08/03/1990	07/01/1991	Alive	hs	21
1379	New South Wales	Male	09/05/1990	07/01/1991	Alive	hs	25
1383	New South Wales	Male	11/13/1990	07/01/1991	Alive	hs	25
1410	New South Wales	Male	10/02/1990	03/03/1991	Dead	hs	25
1431	New South Wales	Male	04/20/1989	07/01/1991	Alive	hs	20
1434	New South Wales	Male	01/13/1990	07/01/1991	Alive	hs	25
1465	New South Wales	Male	10/15/1990	07/01/1991	Alive	hs	25
1472	New South Wales	Male	04/26/1990	05/28/1990	Dead	hs	23
1482	New South Wales	Male	10/12/1984	07/01/1991	Alive	blood	16
1484	New South Wales	Male	11/18/1990	07/01/1991	Alive	hs	24
1487	New South Wales	Male	12/07/1990	07/01/1991	Alive	hs	24
1491	New South Wales	Male	04/26/1990	07/01/1991	Alive	hs	21

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
1492	New South Wales	Male	01/09/1989	07/01/1991	Alive	hs	25
1523	New South Wales	Male	12/02/1990	07/01/1991	Alive	hs	25
1568	New South Wales	Male	12/09/1990	07/01/1991	Alive	hs	24
1573	New South Wales	Male	02/12/1991	07/01/1991	Alive	hs	22
1578	New South Wales	Male	11/28/1990	07/01/1991	Alive	hs	25
1589	New South Wales	Male	12/26/1990	07/01/1991	Alive	hs	22
1629	New South Wales	Male	05/03/1990	07/01/1991	Alive	hs	23
1643	New South Wales	Male	02/14/1991	04/12/1991	Dead	hs	22
1667	New South Wales	Male	07/07/1990	07/01/1991	Alive	hs	25
1675	New South Wales	Male	03/13/1991	07/01/1991	Alive	hs	24
1706	New South Wales	Male	05/25/1991	07/01/1991	Alive	id	21
1707	New South Wales	Male	12/03/1990	04/21/1991	Dead	hs	24
1709	New South Wales	Male	05/01/1991	07/01/1991	Alive	hs	24
1722	New South Wales	Male	04/04/1991	07/01/1991	Alive	hs	25
1728	New South Wales	Male	01/14/1991	07/01/1991	Alive	hsid	25
1743	New South Wales	Male	06/08/1991	07/01/1991	Alive	hs	22
1750	New South Wales	Male	12/04/1990	07/01/1991	Alive	hs	24
1760	New South Wales	Male	04/25/1991	07/01/1991	Alive	hs	21
1781	other	Male	07/09/1985	07/01/1991	Alive	hs	25
1789	Queensland	Male	09/14/1984	09/30/1984	Dead	blood	0
1790	Queensland	Male	07/16/1984	08/01/1984	Dead	blood	0
1791	Queensland	Male	03/09/1985	03/25/1985	Dead	blood	1
1794	Queensland	Male	02/19/1984	02/19/1984	Dead	blood	0
1806	Queensland	Male	03/31/1986	01/16/1987	Dead	hs	25
1810	Queensland	Male	08/22/1986	10/08/1986	Dead	hs	22
1816	Queensland	Male	01/07/1987	01/20/1987	Dead	blood	3
1829	Queensland	Male	06/27/1987	09/27/1989	Alive	hs	20
1831	Queensland	Male	01/02/1988	10/09/1988	Dead	haem	21
1874	Queensland	Male	10/13/1988	05/16/1990	Dead	hs	24
1888	Queensland	Male	05/11/1989	05/17/1989	Dead	hs	24
1895	Queensland	Male	11/14/1988	10/19/1989	Dead	haem	19
1907	Queensland	Male	12/27/1988	12/08/1990	Dead	other	23
1912	Queensland	Male	06/08/1989	06/03/1991	Dead	hs	25
1945	Queensland	Male	02/20/1990	07/01/1991	Alive	hs	24
1953	Queensland	Male	06/11/1990	07/01/1991	Alive	hs	21
1954	Queensland	Male	09/18/1990	06/08/1991	Dead	hs	25
1963	Queensland	Male	04/23/1990	07/01/1991	Alive	het	25
1965	Queensland	Male	01/11/1991	03/11/1991	Dead	hs	17

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
1975	Queensland	Male	01/22/1991	07/01/1991	Alive	other	25
1991	Queensland	Male	02/07/1990	02/19/1990	Dead	hs	22
1993	Queensland	Male	03/21/1991	07/01/1991	Alive	haem	12
2056	other	Male	11/20/1989	01/12/1991	Dead	hs	23
2079	other	Male	04/14/1990	07/01/1991	Alive	mothe	6
2116	other	Male	04/17/1987	04/16/1988	Dead	haem	9
2122	other	Male	03/16/1990	04/03/1991	Dead	hs	25
2145	Victoria	Male	08/18/1984	06/17/1989	Dead	hs	23
2162	Victoria	Male	07/14/1986	11/18/1987	Dead	hsid	24
2168	Victoria	Male	06/18/1986	06/18/1986	Dead	hs	25
2169	Victoria	Male	09/18/1986	10/02/1986	Dead	hs	23
2172	Victoria	Male	05/27/1986	05/19/1987	Dead	hsid	24
2189	Victoria	Male	11/20/1986	04/04/1988	Dead	hs	25
2196	Victoria	Male	03/19/1987	09/03/1989	Dead	hs	24
2197	Victoria	Male	03/17/1987	01/09/1989	Dead	hs	25
2201	Victoria	Male	02/01/1987	08/11/1989	Dead	hs	25
2205	Victoria	Male	02/04/1987	02/19/1987	Dead	hs	25
2231	Victoria	Male	10/22/1987	08/05/1990	Dead	hs	25
2239	Victoria	Male	11/17/1987	08/11/1989	Dead	hs	22
2240	Victoria	Male	09/01/1987	07/12/1989	Dead	hs	25
2242	Victoria	Male	10/04/1987	07/01/1991	Alive	hs	25
2249	Victoria	Male	12/31/1987	12/04/1988	Dead	hs	25
2261	Victoria	Male	04/02/1988	06/17/1989	Dead	hs	23
2263	Victoria	Male	01/04/1988	02/09/1990	Dead	hs	25
2268	Victoria	Male	02/11/1988	05/22/1990	Dead	id	25
2275	Victoria	Male	03/18/1988	06/04/1991	Dead	hs	25
2278	Victoria	Male	05/26/1988	03/13/1990	Dead	haem	12
2284	Victoria	Male	04/24/1988	06/30/1991	Alive	hs	25
2300	Victoria	Male	04/19/1988	05/07/1989	Dead	hs	19
2324	Victoria	Male	10/07/1988	07/01/1991	Alive	hs	25
2333	Victoria	Male	09/26/1988	07/01/1991	Alive	hs	25
2337	Victoria	Male	08/11/1988	08/01/1990	Dead	hs	25
2370	Victoria	Male	02/02/1989	07/01/1991	Alive	hs	22
2388	Victoria	Male	02/14/1989	07/02/1990	Dead	hs	23
2439	Victoria	Male	02/26/1989	03/26/1991	Dead	hs	25
2453	Victoria	Male	09/26/1989	07/01/1991	Alive	hs	23
2462	Victoria	Male	07/26/1989	07/01/1991	Alive	hs	25
2480	Victoria	Male	01/28/1990	07/01/1991	Alive	hs	25

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Ob_NO	Origin_State	Sex	Diagnosis_Date	Ending_Date	Status	Transmission	Age
2482	Victoria	Male	09/16/1989	10/09/1990	Dead	haem	14
2494	Victoria	Male	01/18/1990	07/01/1991	Alive	hs	25
2504	Victoria	Male	05/07/1990	06/06/1991	Dead	hs	25
2514	Victoria	Male	01/22/1990	07/01/1991	Alive	hs	24
2516	Victoria	Male	06/06/1990	07/01/1991	Alive	haem	15
2521	Victoria	Male	06/06/1990	07/01/1991	Alive	hs	24
2523	Victoria	Male	05/14/1990	07/01/1991	Alive	haem	12
2582	Victoria	Male	11/15/1987	01/01/1991	Dead	hs	25
2637	Victoria	Male	03/23/1991	07/01/1991	Alive	hs	24
2658	Victoria	Male	06/05/1991	07/01/1991	Alive	other	24
2712	Victoria	Male	07/02/1987	07/01/1991	Alive	hs	22
2718	other	Male	04/09/1984	03/25/1985	Dead	hs	24
2724	other	Male	02/17/1986	03/13/1987	Dead	hs	22
2736	other	Male	10/28/1986	07/13/1988	Dead	hsid	23
2756	other	Male	07/21/1988	07/01/1991	Alive	hs	25
2757	other	Male	04/05/1988	08/17/1988	Dead	hs	22
2780	other	Male	10/08/1989	07/01/1991	Alive	hs	25
2791	other	Male	08/25/1989	01/04/1990	Dead	hs	25
2795	other	Male	09/15/1989	04/16/1990	Dead	hs	23
2811	other	Male	05/10/1990	05/11/1990	Dead	haem	12
2812	other	Male	09/28/1990	07/01/1991	Alive	hs	23
2822	other	Male	05/28/1986	02/07/1988	Dead	hs	25
2831	other	Male	08/21/1990	11/07/1990	Dead	hs	25

The CONTENTS Procedure

Data Set Name	WORK.SLEEP_ZOUYANG7	Observations	62
Member Type	DATA	Variables	11
Engine	V9	Indexes	0
Created	02/17/2017 22:55:21	Observation Length	72
Last Modified	02/17/2017 22:55:21	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	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1816
Obs in First Data Page	62
Number of Data Set Repairs	0
Filename	/saswork/SAS_work38F60000F4AC_odaws04-prod-us/SAS_work09E40000F4AC_odaws04-prod-us/sleep_zouyang7.sas7bdat
Release Created	9.0401M3
Host Created	Linux
Inode Number	32768017
Access Permission	rw-r--r--
Owner Name	zouyang70
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Label
2	BodyWt	Num	8	COMMA8.2	body_weight
3	BrainWt	Num	8	COMMA8.2	brain_weight
11	Danger	Char	1		overall_danger
10	Exposure	Char	1		sleep_exposure
8	Gestation	Num	4		
7	LifeSpan	Num	4		
5	Para	Num	4	4.1	paradoxical_sleep
9	Pred	Char	1		predation

The CONTENTS Procedure

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Label
4	Slow	Num	4	4.1	slow_wave_sleep
1	Species	Char	30		species_name
6	Total	Num	4	4.1	total_sleep

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species_name	body_weight	brain_weight
African elephant	6,654.00	5,712.00
Asian elephant	2,547.00	4,603.00
Brazilian tapir	160.00	169.00
Cow	465.00	423.00
Donkey	187.10	419.00
Giraffe	529.00	680.00
Gorilla	207.00	406.00
Horse	521.00	655.00
Okapi	250.00	490.00
Pig	192.00	180.00

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species_name	slow_wave_sleep	paradoxical_sleep	total_sleep
Asian elephant	2.1	1.8	3.9
Brazilian tapir	5.2	1.0	6.2
Cow	3.2	0.7	3.9
Genet	4.8	1.3	6.1
Goat	3.3	0.5	3.8
Gray seal	4.7	1.5	6.2
Horse	2.1	0.8	2.9
Rock hyrax (Hetero. b)	5.7	0.9	6.6
Rock hyrax (Procavia hab)	4.9	0.5	5.4
Sheep	3.2	0.6	3.8
Tree hyrax	4.9	0.5	5.4