Traceis[™] Data Exploration Studio Comparative statistics



In this example, the body fat dataset was used. First, select the statistics step.



Select the comparative tab

🎂 Traceis Data Explora	ion Studio 2007 beta 1 2
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Select variables to assess

Select all variables to compare. In this example, all variables except density were selected. To select multiple non-contiguous variables, use ctrl-click and for contiguous variables use the shift-click.

2 Select :

Select statistics to generate

In this example, both the correlation coefficient (r) and r-squared were selected



Display the results



MAKING SENSE OF DATA

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View correlation coefficient matrix

Correlation coefficient values for each pair of selected variables are presented in a matrix format.



r-squared values for each pair of selected variables are presented in a matrix format.

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	Description Confidence intervals the attention to	ata Chi anuna 1000	ca Comparative										
Definition	Descriptive Contidence Intervals Hypotnesis te	sts Uni square ANU	VA Comparative										
Define	Select variables to assess	Correlation coeffi	cient (r)										
	Denote:		Percent body fal	Adervears	Weight/lbs1	Height(inches)	Neck/cm)	Chest(cm) Abdomen(cm)	Hip(cm)	Thigh(cm)	Kneefcm	Anki
Preparation	Percent horby fet	Percent body fat	1	0.29	0.61	-0.02	0.5	0.7	0.81	0.62	0.55	0.5	0.27
	Age(vears)	Age(years)	0.29	1	-0.01	-0.25	0.11	0.18	0.23	-0.05	-0.2	0.02	-0.1
i charo	Weight(lbs)	Weight(lbs)	0.61	-0.01	1	0.49	0.83	0.89	0.89	0.94	0.87	0.85	0.61
nolementation	Height(inches)	Height(inches)	-0.02	-0.25	0.49	1		0.23	0.19	0.38	0.34	0.51	0.39
	Neck(cm)	Neck(cm)	0.5	0.11	0.83	0.32		0.79	0.76	0.75	0.71	0.68	0.48
ables and graphs	Chest(cm)	Chest(cm)	0.7	0.18	0.89	0.23			0.92	0.83	0.73	0.72	0.4
atistics	Ebdaman(am)	Abdomen(cm)	0.81	0.23	0.89	0.19		92	1	0.87	0.77	0.74	0.4
countral and	Correlation coefficient (r)	Hip(cm)	0.62	-0.05	0.94	0.38		.83	0.87	1	0.89	0.82	0.5
rooping		Inign(cm)	0.55	-0.2	0.87	0.54	\sim	0.73	0.77	0.89	1	0.8	0.5
ediction	✓ r-squared	Ankla(cm)	0.5	0.02	0.65	0.31	0.49	0.72	0.44	0.62	0.0	0.61	1
		Bicens(cm)	0.49	-0.04	0.8	0.32	0.40	0.40	0.68	0.36	0.34	0.68	0.4
ployment	Display	Eorearm(cm)	0.36	-0.04	0.63	0.32	0.62	0.58	0.5	0.55	0.57	0.56	0.4
poly model		Wrist(cm)	0.35	0.21	0.74	0.4	0.74	0.66	0.63	0.64	0.57	0.67	0.5
					1					1			1.0.0
		r-square											
			Descent had a fel	1. 1.00(10000)	Vehiclefolden	Haisht/inshee)	Maddam	Charlen) (hdomos(am)	hind and	Think(am)	Kenndam	1.0
		Percent body fet	rercent bouy ra	Age(years)	0.37	neight(manes)	0.25	0.49	0.68	0.38	0.34	0.25	0.0
		Acre(ventro)	0.09	1	0.51	0.06	0.01	0.02	0.05	0.00	0.04	0.25	0.0
		Weight(Inc)	0.37	0	1	0.24	0.7	0.05	0.03	0.89	0.04	0.73	0.0
		Height(inches)	0.01	0.06	0.24	1		0.05	0.04	0.14	0.12	0.26	0.1
		Neck(cm)	0.25	0.01	0.7	0.1		0.62	0.58	0.56	0.5	0.46	0.2
		Chest(cm)	0.49	0.03	0.8	0.05	\mathbf{n}		0.84	0.69	0.54	0.52	0.2
		Abdomen(cm)	0.66	0.05	0.79	0.04		84	1	0.77	0.59	0.54	0.2
		Hip(cm)	0.38	0	0.89	0.14	<u> </u>	0.69	0.77	1	0.8	0.67	0.3
		Thigh(cm)	0.31	0.04	0.76	0.12	< <i>/</i>	0.54	0.59	0.8	1	0.63	0.2
		Knee(cm)	0.25	0	0.73	0.26	0.46	0.52	0.54	0.67	0.63	1	0.3
		Ankle(cm)	0.07	0.01	0.38	0.16	0.23	0.23	0.21	0.31	0.29	0.38	1
		Biceps(cm)	0.24	0	0.64	0.1	0.54	0.53	0.47	0.55	0.59	0.46	0.2
		Forearm(cm)	0.13	0.01	0.4	0.1	0.39	0.34	0.25	0.3	0.33	0.31	0.1
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		Selected items	Histograms										
		Densit	у _ Р	ercent body fa		Age(years)	1	Veight(Ibs)	Heij	ht(inches	1 -	Neck(or	n)
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		Chest(c	m)	Abdomen(cm)		Hip(om)		Thigh(cm)	К	nee(cm)		Ankle(c)	n)
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				Forestm(cm)		Wristlem)							
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