Intermediate Statistics Using SPSS 1st edition Knapp Solutions Manual

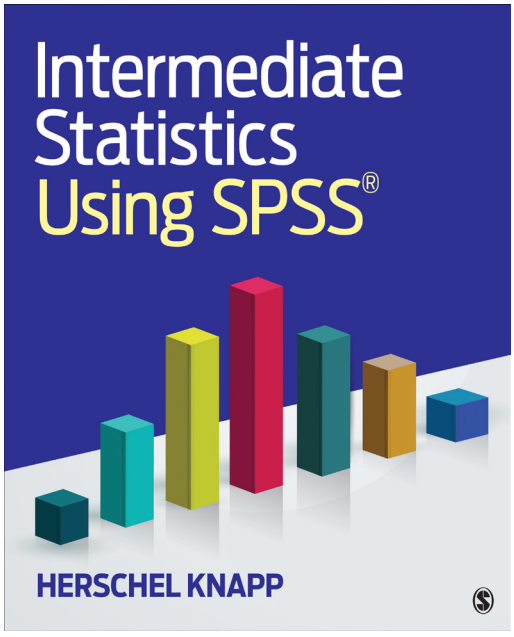
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Intermediate Statistics Using SPSS 1st edition Knapp Solutions Manual

CHAPTER 2

Working in SPSS

Solutions to All Exercises



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EXERCISE 2.1

Enrolled

		Value	Count	Percent
Standard Attributes	Position	1		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	4	80.0%
	2	No	1	20.0%

Units

		Value
Standard Attributes	Position	2
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	9.20
	Standard Deviation	6.261
	Percentile 25	6.00
	Percentile 50	12.00
	Percentile 75	12.00

Grade

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	81.40
	Standard Deviation	10.550
	Percentile 25	72.00
	Percentile 50	81.00
	Percentile 75	91.00

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EXERCISE 2.2

ID

		Value	Count	Percent
Standard Attributes	Position	1		
	Label	<none>		
	Type	String		
	Format	A8		
	Measurement	Nominal		
	Role	Input		
Valid Values	AL331		1	20.0%
	DD987		1	20.0%
	JW105		1	20.0%
	QF732		1	20.0%
	RK122		1	20.0%

Volunteer_Hours

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	2.2000
	Standard Deviation	1.35093
	Percentile 25	1.5000
	Percentile 50	2.0000
	Percentile 75	3.0000

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EXERCISE 2.3

Degree

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Ordinal		
	Role	Input		
Valid Values	1	Associate's	1	20.0%
	2	Bachelor's	2	40.0%
	3	Master's	2	40.0%
	4	Doctorate	0	.0%

Pretest

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	27.20
	Standard Deviation	3.701
	Percentile 25	25.00
	Percentile 50	28.00
	Percentile 75	30.00

Posttest

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	39.00
	Standard Deviation	8.000
	Percentile 25	34.00
	Percentile 50	38.00
	Percentile 75	46.00

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EXERCISE 2.4

Employ

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Ordinal		
	Role	Input		
Valid Values	1	Unemployed	1	20.0%
	2	Temporary	1	20.0%
	3	Part-time	1	20.0%
	4	Full-time	2	40.0%

Work_Hours

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	24.20
	Standard Deviation	18.390
	Percentile 25	16.00
	Percentile 50	20.00
	Percentile 75	40.00

Sleep_Hours

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	8.3000
	Standard Deviation	1.20416
	Percentile 25	7.5000
	Percentile 50	8.0000
	Percentile 75	9.0000

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EXERCISE 2.5

First_Initial

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	String		
	Format	A1		
	Measurement	Nominal		
	Role	Input		
Valid Values	D		1	20.0%
	J		1	20.0%
	P		1	20.0%
	T		1	20.0%
	V		1	20.0%

Last_Name

		Value	Count	Percent
Standard Attributes	Position	3		
	Label	<none>		
	Type	String		
	Format	A20		
	Measurement	Nominal		
	Role	Input		
Valid Values	Freeman		1	20.0%
	Gower		1	20.0%
	Jones		1	20.0%
	Rexx		1	20.0%
	Smith		1	20.0%

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Siblings

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	1.60
	Standard Deviation	1.140
	Percentile 25	1.00
	Percentile 50	2.00
	Percentile 75	2.00

Adopted

		Value	Count	Percent
Standard Attributes	Position	5		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	1	20.0%
	2	No	4	80.0%

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EXERCISE 2.6

Patient_ID

		Value
Standard Attributes	Position	2
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	5.27E9
	Standard Deviation	3.006E9
	Percentile 25	2.14E9
	Percentile 50	5.83E9
	Percentile 75	8.05E9

Age

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	43.60
	Standard Deviation	24.337
	Percentile 25	24.00
	Percentile 50	38.00
	Percentile 75	53.00

Temp

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	99.7600
	Standard Deviation	1.33903
	Percentile 25	98.8000
	Percentile 50	99.0000
	Percentile 75	100.9000

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Flu_Shot

		Value	Count	Percent
Standard Attributes	Position	5		
	Label	<none>		
	Type	Numeric		
	Format	F20		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	3	60.0%
	2	No, and I don't want one	1	20.0%
	3	Not yet, but I'd like one	1	20.0%

Rx

		Value	Count	Percent
Standard Attributes	Position	6		
	Label	<none>		
	Type	String		
	Format	A20		
	Measurement	Nominal		
	Role	Input		
Valid Values			3	60.0%
	Multivitamin		1	20.0%
	Xamine, Tutsocol		1	20.0%

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EXERCISE 2.7

Passport

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	2	40.0%
	2	No	3	60.0%
	3	Decline to answer	0	.0%

Fired

		Value	Count	Percent
Standard Attributes	Position	3		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	1	20.0%
	2	No	3	60.0%
	3	Decline to answer	1	20.0%

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ER

		Value	Count	Percent
Standard Attributes	Position	4		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	2	40.0%
	2	No	3	60.0%
	3	Decline to answer	0	.0%

DOB

		Value
Standard Attributes	Position	5
	Label	<none>
	Type	Numeric
	Format	ADATE10
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	8/21/1965
	Standard Deviation	280683:12:07.445
	Percentile 25	1/23/1936
	Percentile 50	6/07/1974
	Percentile 75	3/01/1987

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EXERCISE 2.8

Dogs

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Ordinal		
	Role	Input		
Valid Values	1	Strongly disagree	0	.0%
	2	Disagree	0	.0%
	3	Neutral	1	20.0%
	4	Agree	1	20.0%
	5	Strongly agree	3	60.0%

Cats

		Value	Count	Percent
Standard Attributes	Position	3		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Ordinal		
	Role	Input		
Valid Values	1	Strongly disagree	1	20.0%
	2	Disagree	1	20.0%
	3	Neutral	1	20.0%
	4	Agree	0	.0%
	5	Strongly agree	2	40.0%

Pets

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	1.20
	Standard Deviation	1.304
	Percentile 25	.00
	Percentile 50	1.00
	Percentile 75	2.00

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EXERCISE 2.9

Blood_Type

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	A-	1	20.0%
	2	A+	0	.0%
	3	B-	0	.0%
	4	B+	1	20.0%
	5	AB-	0	.0%
	6	AB+	1	20.0%
	7	O-	1	20.0%
	8	O+	0	.0%
	9	Don't know	1	20.0%

Gender

		Value	Count	Percent
Standard Attributes	Position	3		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Female	2	40.0%
	2	Male	3	60.0%

Prior_Donor

		Value	Count	Percent
Standard Attributes	Position	4		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Yes	2	40.0%
	2	No	3	60.0%

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EXERCISE 2.10

Entree_Food

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	<none>		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Fish	4	80.0%
	2	Chicken	0	.0%
	3	Beef	1	20.0%
	4	Vegetarian	0	.0%

Entree_Quality

		Value
Standard Attributes	Position	3
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	8.60
	Standard Deviation	1.140
	Percentile 25	8.00
	Percentile 50	9.00
	Percentile 75	9.00

Dessert_Quality

		Value
Standard Attributes	Position	4
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	0
Central Tendency and Dispersion	Mean	8.80
	Standard Deviation	1.304
	Percentile 25	8.00
	Percentile 50	9.00
	Percentile 75	10.00

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