

# BIOLOGY AND HOMOSEXUALITY

## 5. Describing the Volumes of INAH3

SPSS can be used to obtain the descriptive statistics for the volumes of INAH3 for the five groups in the study. The information obtained with SPSS can be summarized in the following way:

MEASURES OF	STATISTICS	MALES		
		Heterosexual		Homosexual
		AIDS	Non-AIDS	AIDS
CENTER	MEAN	103.3333	128.0000	50.3158
	MEDIAN	111.5000	137.5000	32.0000
	5% TRIM MEAN	105.2037	130.3889	45.1287
	95% CI FOR MEAN	(51.636, 155.030)	(85.34,172.26)	(25.41, 75.23)
SPREAD	STANDARD DEV.	49.2612	60.7523	51.6710
	STD ERROR	20.1108	19.2116	11.8541
	VARIANCE	2426.667	3690.844	2669.895
	IQR	47.7500	89.5000	48.0000
	MINIMUM	12.0000	20.0000	1.0000
	MAXIMUM	161.0000	209.0000	193.0000
	RANGE	149.0000	189.0000	192.0000
SHAPE	SKEWNESS	-1.4132	-0.8069	1.6956
	ST. ERROR SKEW	0.8452	0.6870	0.5238
	KURTOSIS	3.3489	-0.0942	2.3049
	ST. ERROR KURT	1.7408	1.3342	1.0143
COUNT		6	10	19

MEASURES OF	STATISTICS	FEMALES	
		Heterosexual	
		AIDS	Non-AIDS
CENTER	MEAN	12	63.0000
	MEDIAN	12	29.0000
	5% TRIM MEAN	12	61.5000
	95% CI FOR MEAN		(-15.241, 142.442)
SPREAD	STANDARD DEV.	0	63.4965
	STD ERROR	0	28.3965
	VARIANCE	0	4031.8000
	IQR	0	115.5000
	MINIMUM	12	10.0000
	MAXIMUM	12	155.0000
	RANGE	0	145.0000
SHAPE	SKEWNESS		0.8958
	ST. ERROR SKEW		0.9129
	KURTOSIS		-1.3584
	ST. ERROR KURT		2.0000
COUNT		1	5

The numerical summaries are consistent with the conclusions we have reached while examining the side-by-side boxplots in the previous section. The mean volume of INAH3 was more than twice as large in the heterosexual men as in the homosexual men.

Similarly, the mean volume of INAH3 was twice as large in the heterosexual men as in the women. The cause of death does not seem to have any effect on the volumes.