

Table of Useful STATA commands and R functions

A more in-depth presentation of all of these functions is located in the document titled “An Introduction to R” on emersonstatistics.com.

Desired output	STATA	R (base)	R (uwIntroStats)
read in data (.txt file)	<code>infile</code>	<code>read.table()</code>	
read in data (.csv file)	<code>infile</code>	<code>read.csv()</code>	
mean	<code>summarize</code>	<code>summary()</code> <code>mean()</code>	<code>descrip()</code>
std dev	<code>summarize</code>	<code>summary()</code> <code>sd()</code>	<code>descrip()</code>
variance	<code>summarize</code>	<code>var()</code>	<code>descrip()</code>
chi-square	<code>tabulate</code>	<code>chisq.test()</code>	<code>tabulate()</code>
	<code>cc</code>		
	<code>cs</code>		
	<code>cci</code>		
	<code>csi</code>		
boxplot	<code>graph box</code>	<code>boxplot()</code>	<code>bplot()</code>
histogram	<code>histogram</code>	<code>hist()</code>	
density curve	<code>kdensity</code>	<code>plot(density())</code>	
scatter plot	<code>scatter</code>	<code>plot()</code>	<code>scatter()</code>
correlation	<code>correlate</code>	<code>cor()</code> - correlation <code>cov()</code> - covariance	<code>correlate()</code>
probability (normal, z-score 1)	<code>display normprob(1)</code>	<code>1-pnorm(1)</code>	
t-test	<code>ttest</code>	<code>t.test()</code>	<code>ttest()</code>
linear regression	<code>regress</code>	<code>lm()</code>	<code>regress()</code>