Unit 1

Looking at and Comparing Data

What is data?

Data Types

Data structures

One page

Cross sectional – Time series

One page

Describing Data – Location and spread

Mean median node variance St dev SIQR 2 page

Dotplots bar charts histograms scatter plots matrix plots 3 page

Visualising Data

Tables 2 page

Statistical Inference P values

One page

Confidence Intervals

Comparing to a target – one sample t test

Comparing two groups

Comparing several groups One way ANOVA two pages

Association Chi square one page

Correlation two pages

Regression – simple linear – upto 4 independent variables three pages

Interrogating a data set three pages