

Student Number: .....

First Name ..... Surname .....

**ECON304 (751304)**

Test 1: Descriptive Analysis – 12<sup>th</sup> November 2013

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**Test Description:**

This test was designed to assess your understanding of the descriptive analysis with application of R programming.

1. Install and Open R and R-Studio. Explain relationship between R and R-Studio. Which one you prefer and why so?

R is .....

R-Studio is .....

I prefer ..... (R or R-Studio) because .....

2. Load package **datasets** and pick one dataset. First come first serve. (ใครเลือกก่อนให้เขียนชื่อของบนกระดาน ห้ามซ้ำกัน)

Select five variables and use R or R-Studio to calculate basic descriptive statistics. Also produce histogram and

boxplot to visualise the skewness of the variable (positive or neative)

Name of package .....

I selected this package because .....

2.1 variable name ..... description .....

Average ..... Median ..... SD ..... Variance ..... Max ..... Min ..... Skew (positive / negative)

2.2 variable name ..... description .....

Average ..... Median ..... SD ..... Variance ..... Max ..... Min ..... Skew (positive / negative)

2.3 variable name ..... description .....

Average ..... Median ..... SD ..... Variance ..... Max ..... Min ..... Skew (positive / negative)

2.4 variable name ..... description .....

Average ..... Median ..... SD ..... Variance ..... Max ..... Min ..... Skew (positive / negative)

2.5 variable name ..... description .....

Average ..... Median ..... SD ..... Variance ..... Max ..... Min ..... Skew (positive / negative)

**\*\*\*\*\* Please return this sheet to the teaching assistant the class only. Then post the R code you used in the test and related outcome in your Wordpress site (as a new post). \*\*\*\*\***