**Hypothesis Testing (Excel)**

1. **STOCK MARKET DATA:**

You are given with a sample of stock market time series data for a given firm. What will be your decision at 5% significance level for the following hypothesis?

H0: The population mean = $45

H1: The Population mean ≠ $45

1. **MARKET SALES DATA:**

You are given with a sample of sales data for a given product. The marketing department is trying to evaluate the effectiveness of a new marketing campaign. The before sales and after sales were recorded. What will be your decision on the effectiveness of the new marketing campaign on sales at 5% significance level?

1. **GDP GROWTH RATE:**

You are given with GDP growth data for China and Germany. What can you tell about the difference between the two population mean growth rates of these two countries at 5% significance level?