LAB ASSIGNMENT-2

TIME SERIES ANALYSIS AND FORECASTING

WHITE NOISE SERIES

- Create a series of 1,000 random Gaussian variables with mean=0 and standard deviation=1. Set appropriate seed.
- Print the summary statistics and create a line plot of the given series.
- Create the ACF and PACF plots.
- Is the data stationary? Justify.

RANDOM WALK

- Create and plot a random walk of 1000 timesteps. Set appropriate seed. (Read on it!)
- Print the summary statistics and create a line plot of the given series.
- Create the ACF and PACF plots.
- Is the data stationary? Justify.

What are the main differences that you observed in the plots and statistical properties of the data both the cases?.