Project Task Due: April 15, 2016

Your project uses the data in the project2016.xls, which contains time series data. The table below shows the project group and dataset.

Topic	Group
Annual Industrial Production Index	2
Total Number Of Water Consumers	3
Annual Swedish Fertility Rates	4
Annual Velocity Of Money	5
Monthly Percentage Changes In Canadian Wages & Salaries	6
Monthly New York City Births	7
Monthly Precipitation In London	8
Monthly Railroad Bond Yield	9
Personal Savings As A Percentage Of Disposal Income	10
Scholes Index For New York Stock Exchange	11

## Instruction

Open the spreadsheet, select your dataset and read it into R

(i).	Produce a time series plot of your data and comment.	[5]
(ii).	Fit a set of models for your data, and select the best fitting model,	
	saying why you chose this model as the best fitting model.	[8]
(iii).	Produce diagnostic plots for your models and comment	[5]
(iv).	Write down the mathematical equation of your chosen model	[3]
(v).	Produce a 3 step ahead forecast with prediction interval.	[3]