**TUTORIAL 2**

1. Recap of last week’s materials (5-10 minutes)
   1. Lecture
      1. Predictive vs Prescriptive analytics
      2. Role of theories from economics and finance
      3. Data
         1. Cross-sectional
         2. Time series
         3. Panel/longitudinal data
      4. Models: where theory meets data
   2. Tutorial
      1. Eviews
         1. Descriptive statistics and histograms
         2. Freezing and naming output
         3. Correlations and scatterplots
         4. Estimating regression and predictions
         5. Output into word
      2. Intro to Matrix Algebra
         1. Dimensions of a matrix
         2. Vectors
         3. Transpose
         4. Matrix multiplication
2. Run through tutorial exercises (50-60 minutes)
   1. Excel and Vlookup
   2. EViews
      1. Question 1
         1. Summary statistics
            1. Flux
         2. Confidence intervals
            1. Flux
         3. Scatter plot
         4. Log transformation
      2. Question 2
         1. Download file using link and edit data in excel
         2. Line plot data
         3. Forecasting
         4. Detrend and growth rate (log returns)
         5. Seasonal plots
            1. Flux
3. MoVE (Optional, 15-20 minutes)
   1. Install citrix receiver
   2. Login to MoVE
   3. Explore files on Monash PC
   4. Open and edit files using EViews
   5. Import
4. More matrix algebra (Optional, 20 minutes)
   1. Inverse
   2. Plotting of vectors
   3. Orthogonality