Forecasting and Clustering in Power BI

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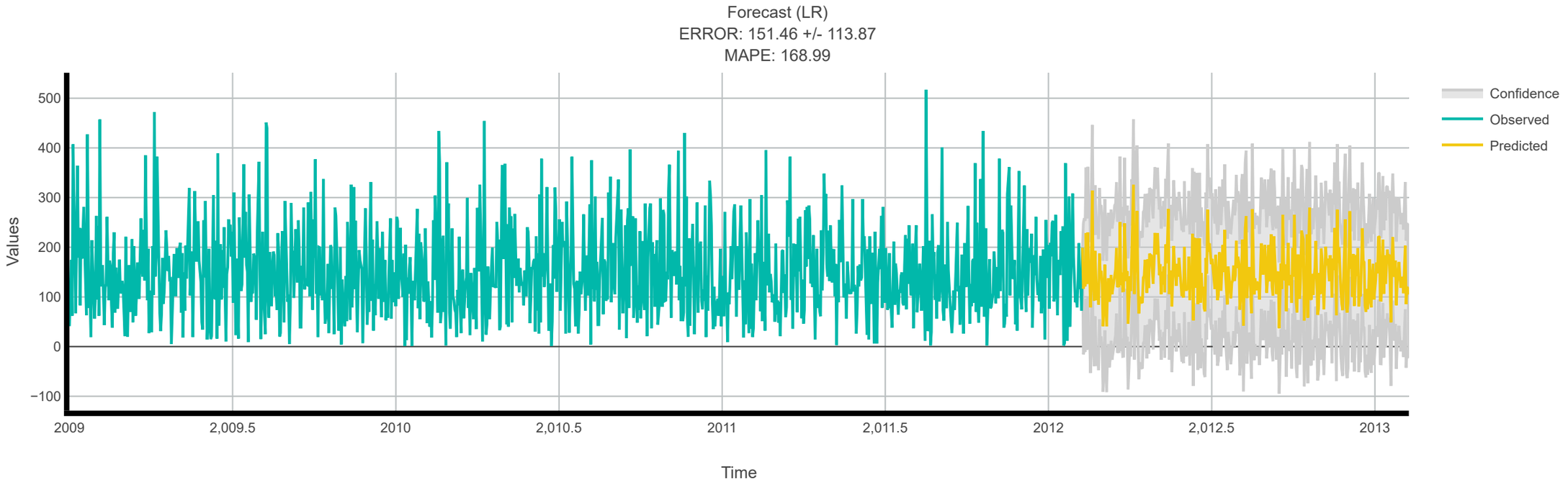
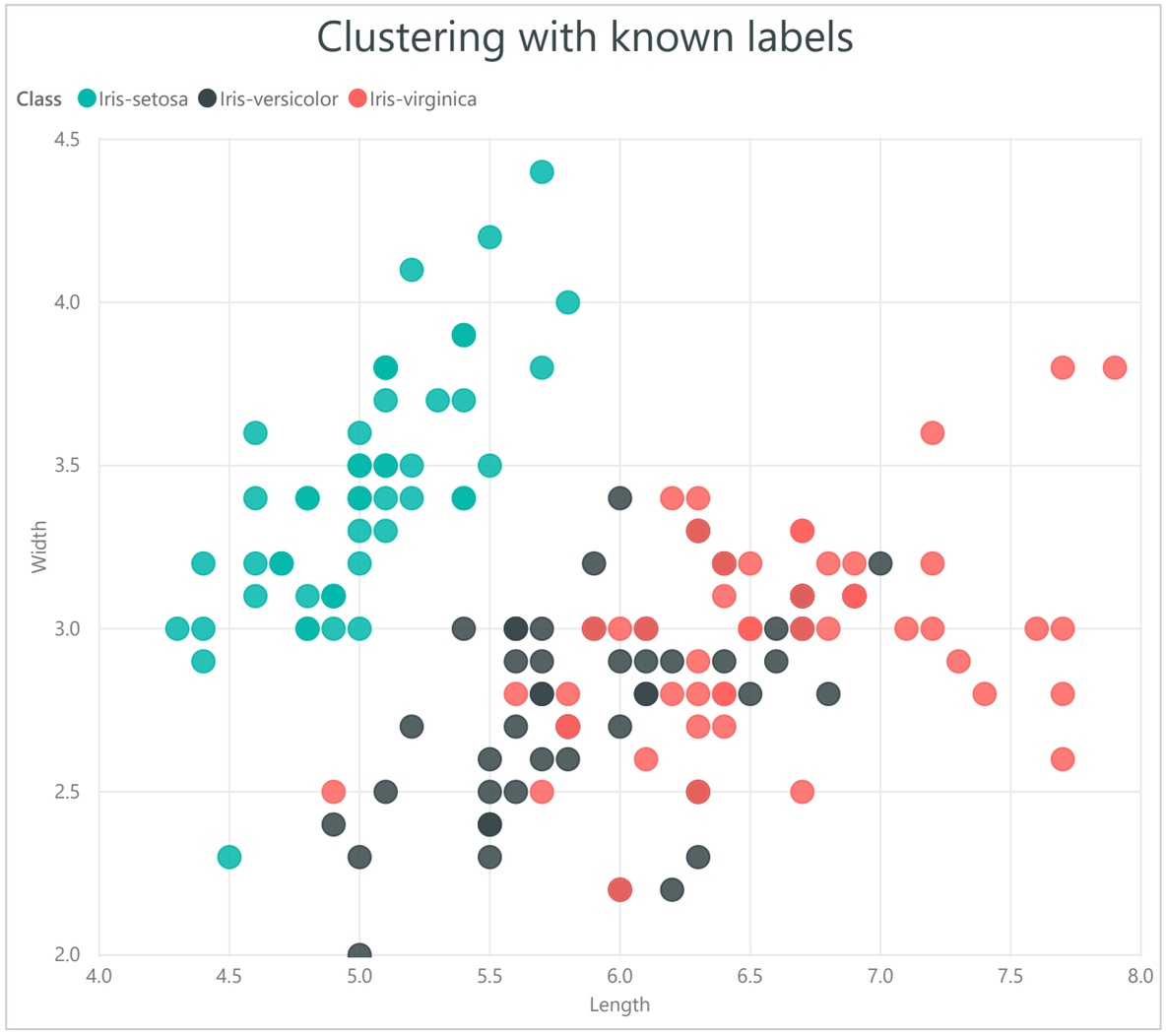
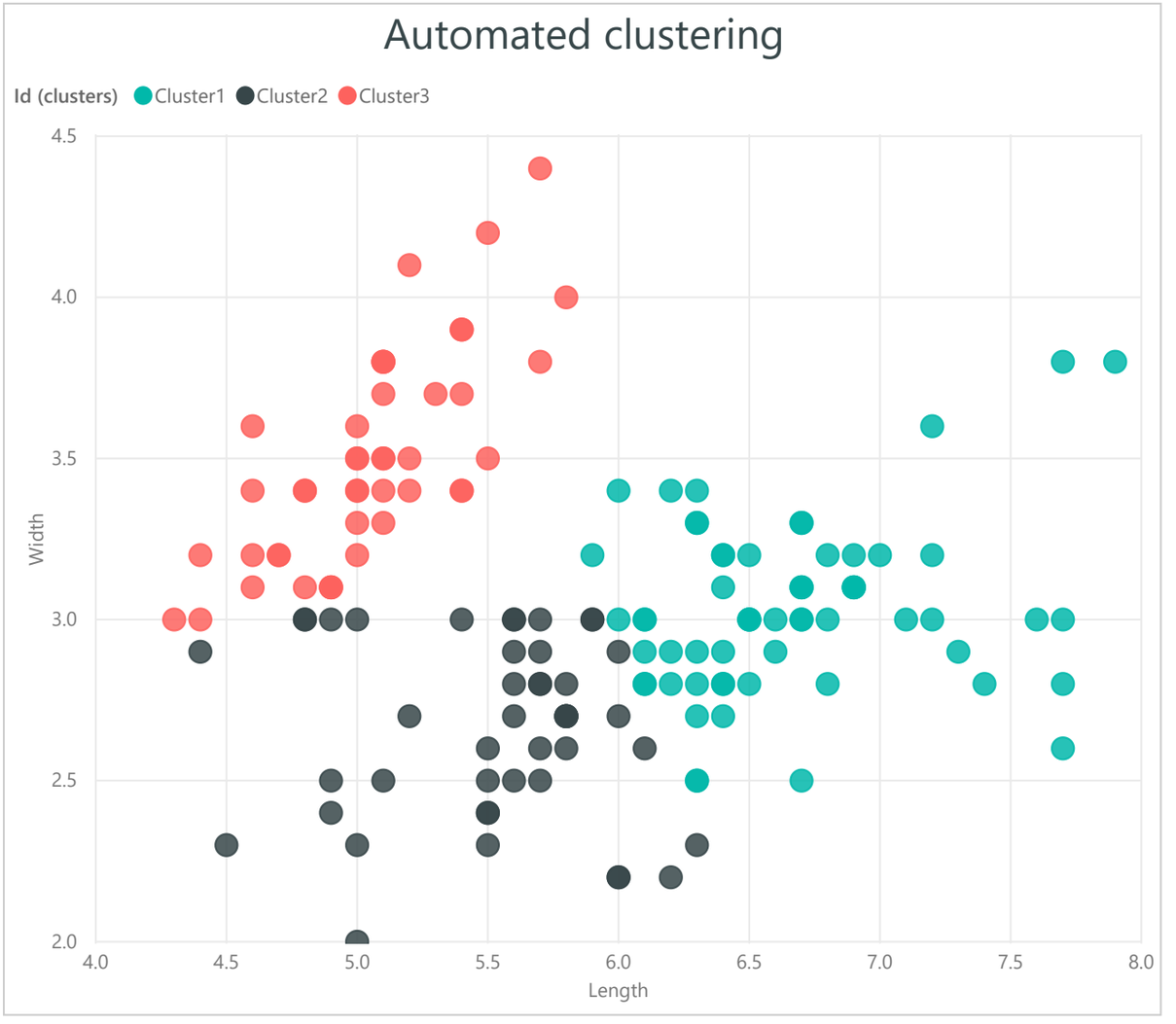
Forecasting using Linear Regression



* Step 1: Install R on computer at C:\Program Files\R\R-3.6.0 (default directory)
* https://docs.microsoft.com/en-us/power-bi/desktop-r-visuals

* Step 2: Install "Forecast Using Multiple Models by MAQ Software" visual from Marketplace
* Step 3: Install all required R libraries
* Step 4: Making prediction
- Choosing algorithms, ranging from Linear regression to Neural network (Linear and ARIMA are recommended due to their transparency)
- Split point: Train and Test split (normally set at 0.8)
- Confidence interval: area where predicted values are expected to fall in





* Step 1: Graphing scatter plot using built-in chart
* Step 2: Create automated clusters using "Automatically find clusters" functionality (see Help)
* Step 3: Back check with known labels