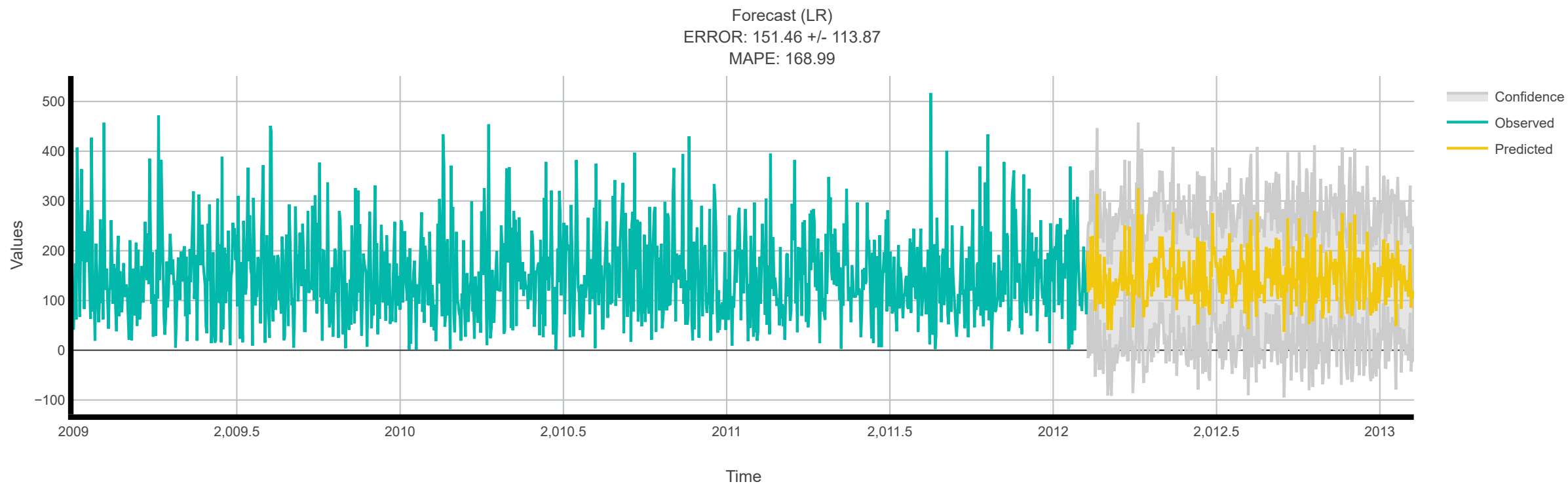


Forecasting and Clustering in Power BI

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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: Make prediction

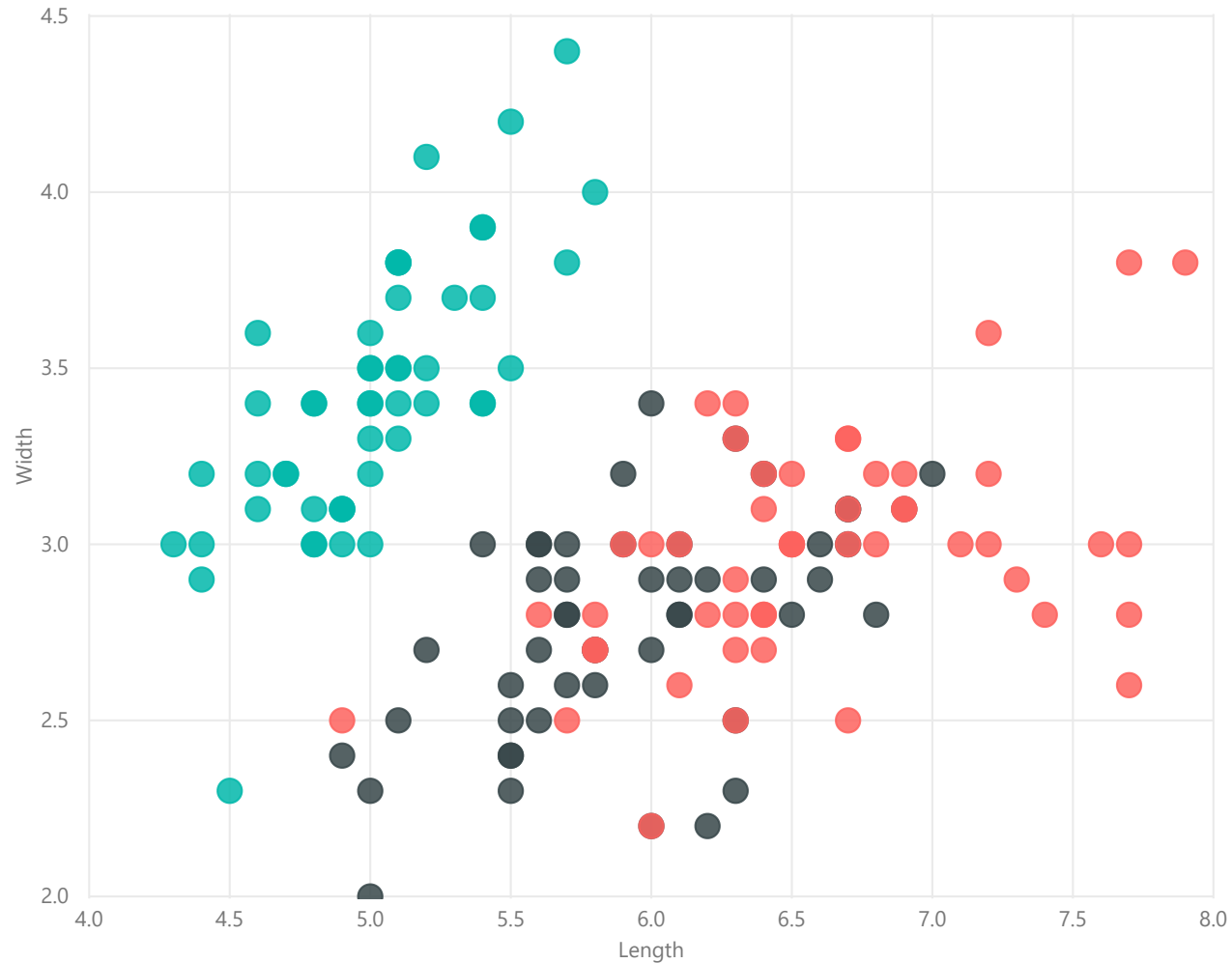
- Choose algorithms, ranging from Linear regression to Neural network (Linear and ARIMA are recommended due to their transparency)

- Split point: Train and Test split (normally set at 0.8)

- Confidence interval: area where predicted values are expected to fall in

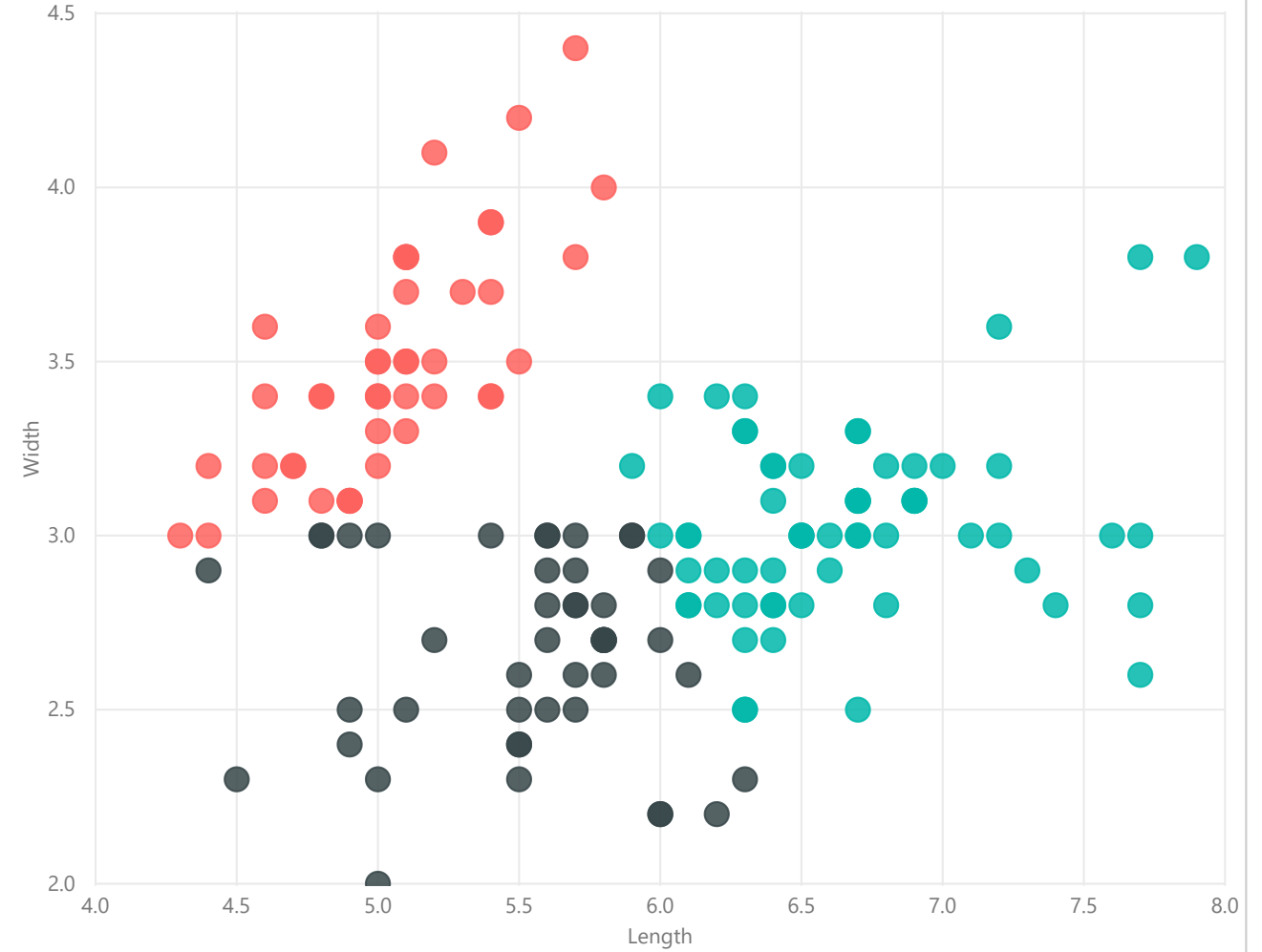
Clustering with known labels

Class ● Iris-setosa ● Iris-versicolor ● Iris-virginica



Automated clustering

Id (clusters) ● Cluster1 ● Cluster2 ● Cluster3



* Step 1: Graph 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