Time series run chart

TREND ANALYSIS IN POWER BI

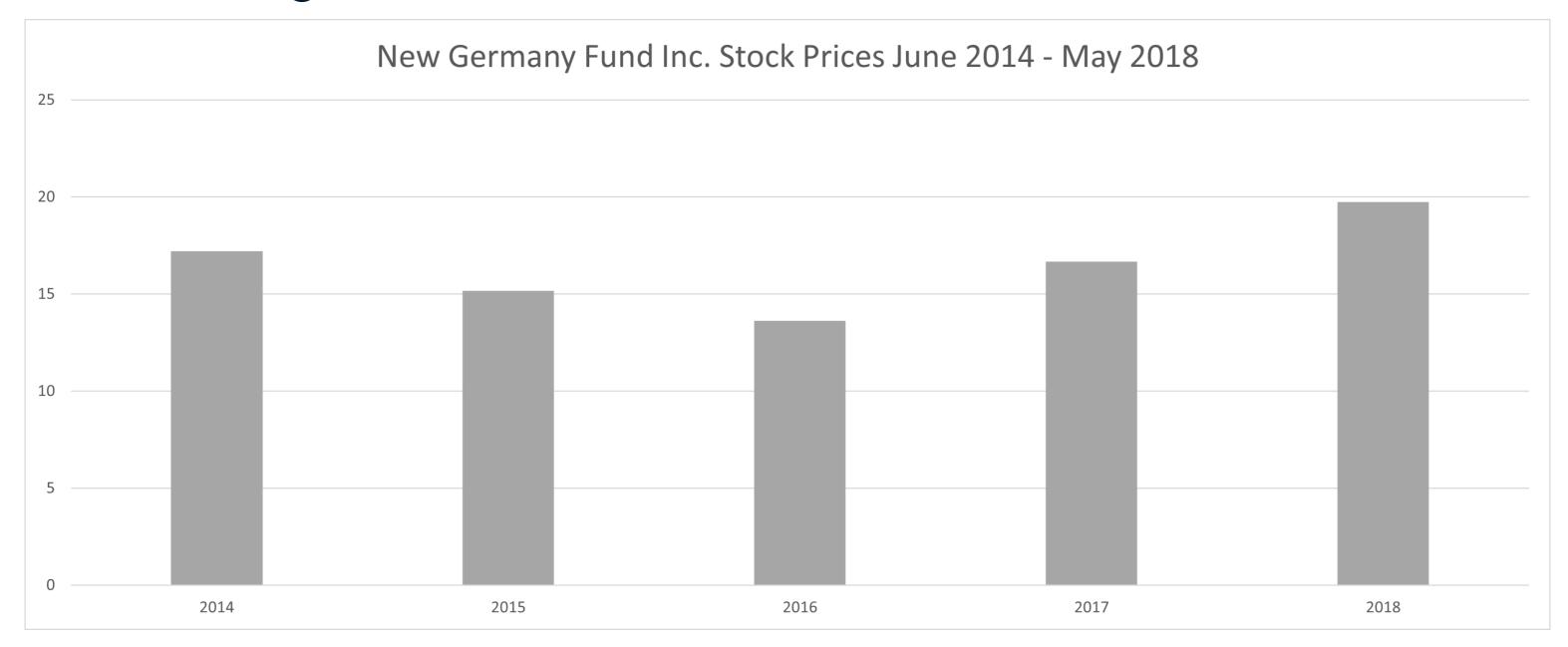


Jacob H. Marquez

Data Scientist at Microsoft

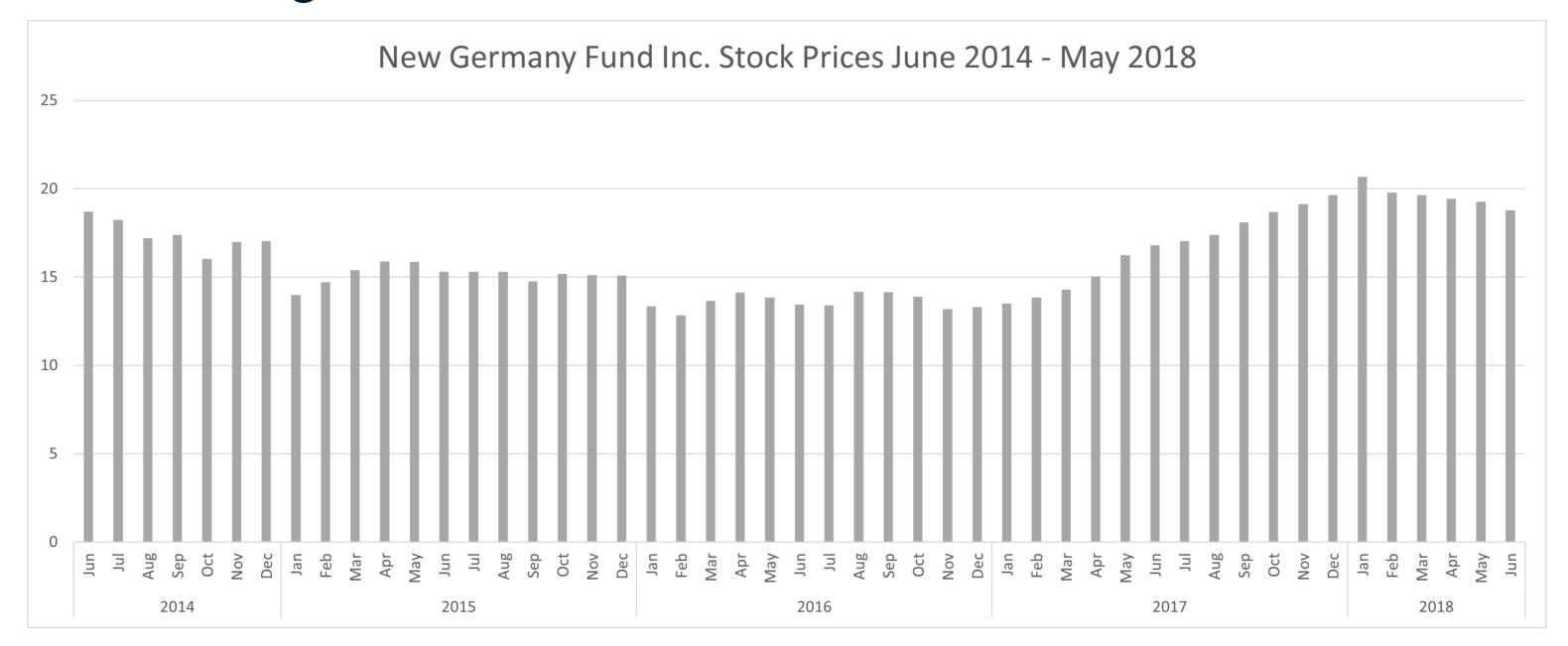


Visualizing a time series



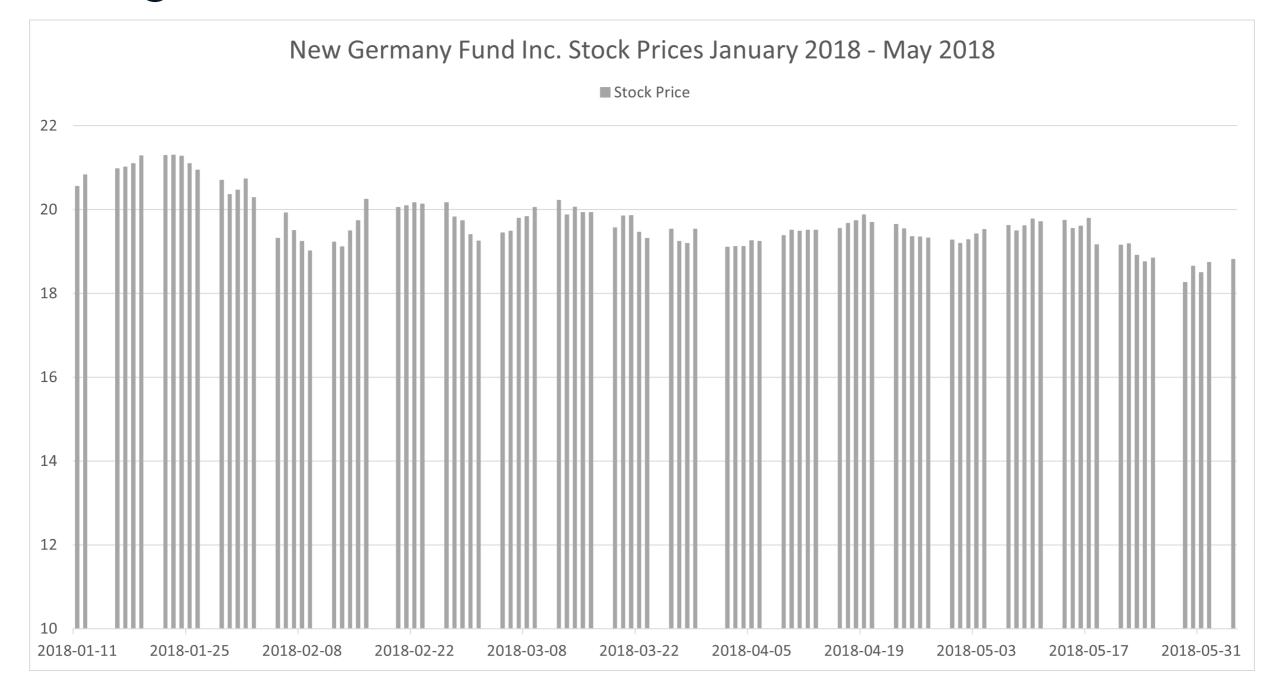


Visualizing a time series





Visualizing a time series



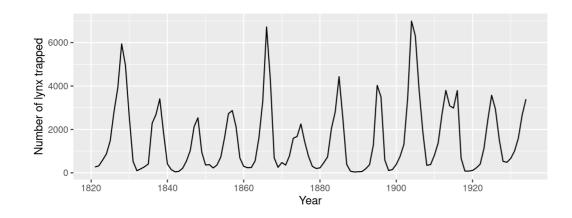


What is a run chart?



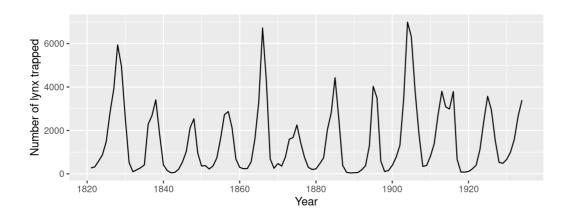


Patterns in a time series Cyclical



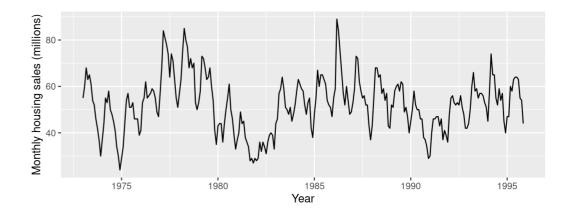
- Rise and fall patterns
- No fixed time period
- Pattern typically longer than a year in length
- Less predictable

Patterns in a time series Cyclical



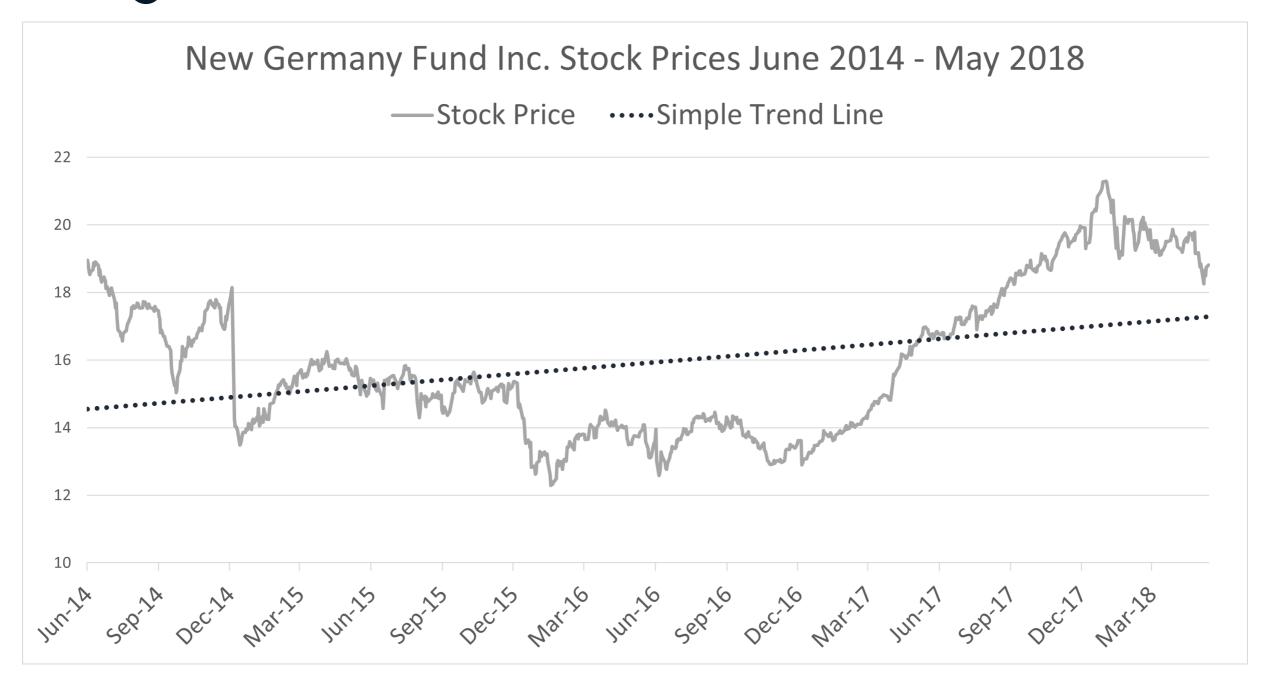
- Rise and fall patterns
- No fixed time period
- Pattern typically longer than a year in length
- Less predictable

Seasonality



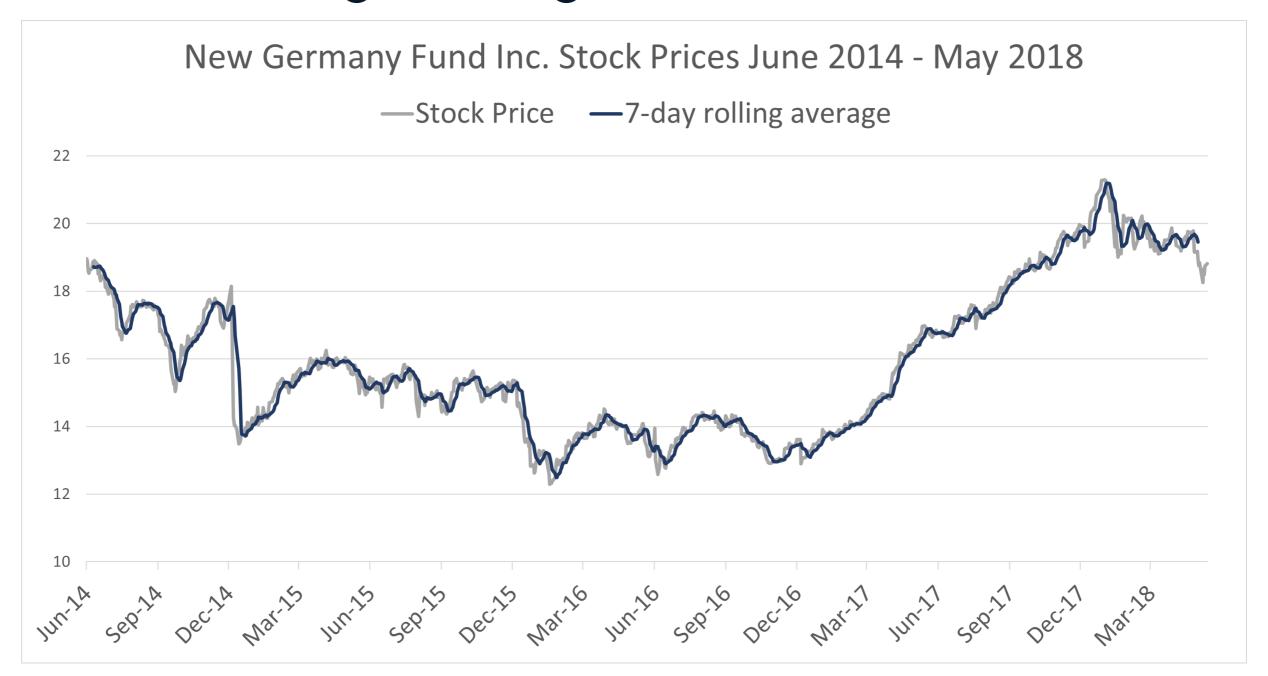
- Pattern is influenced by the season (ex. holiday spending)
- Fixed time periods
- Pattern typically occurs over less than a year

Evaluating the trend in the time series



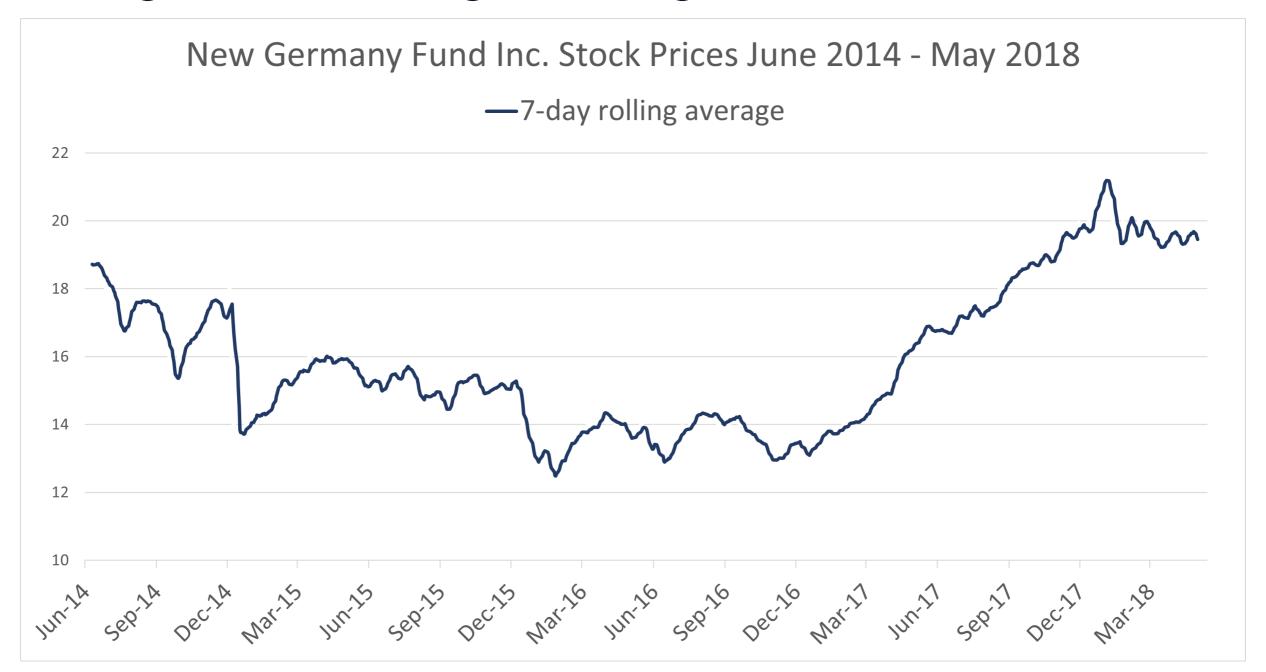


Trends with rolling averages



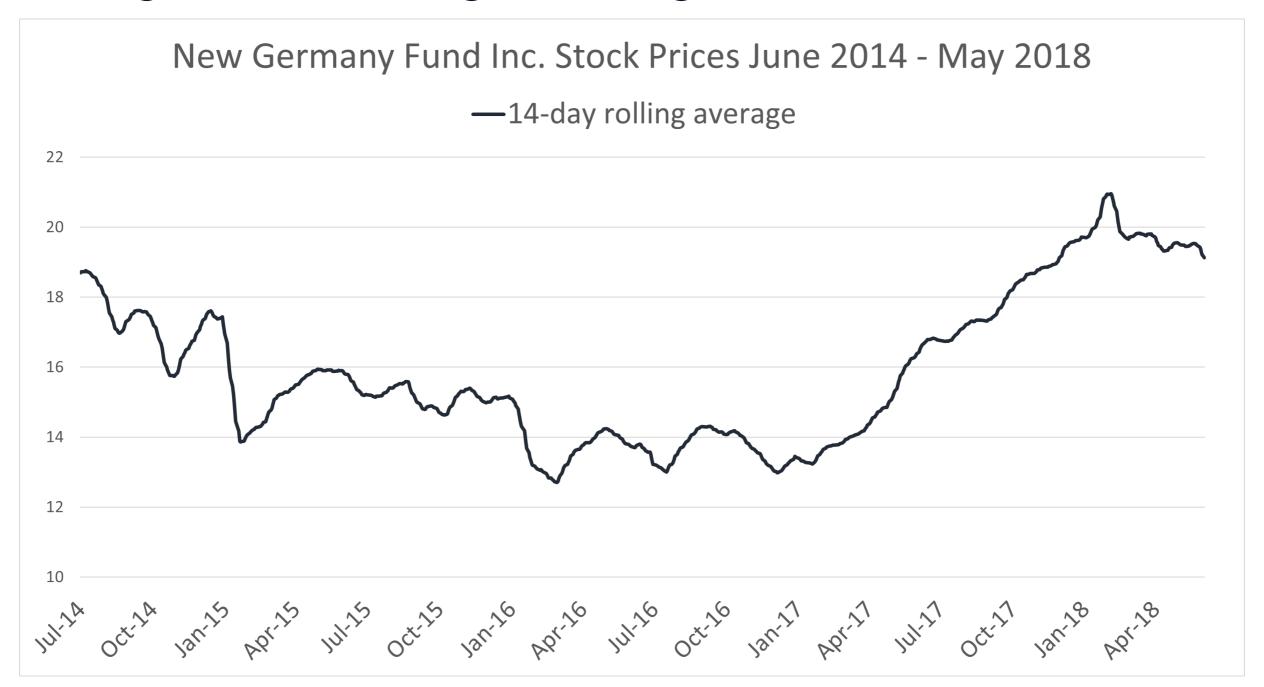


Smoothing with rolling averages



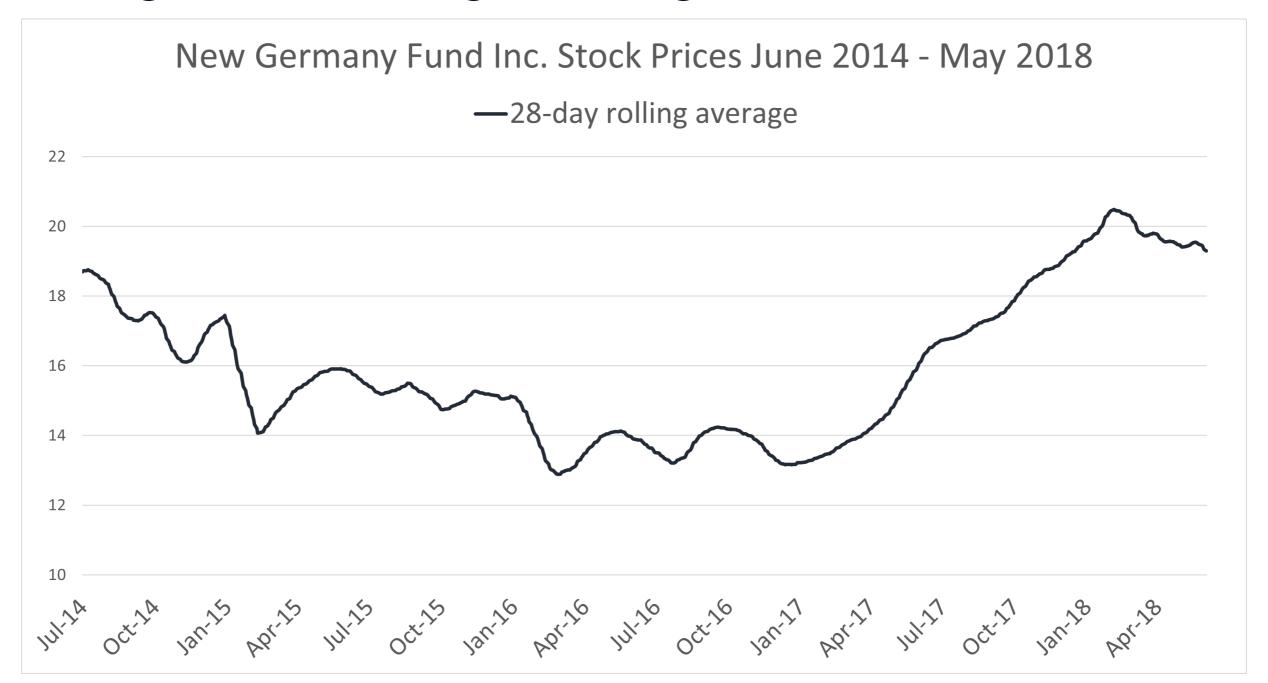


Smoothing with rolling averages



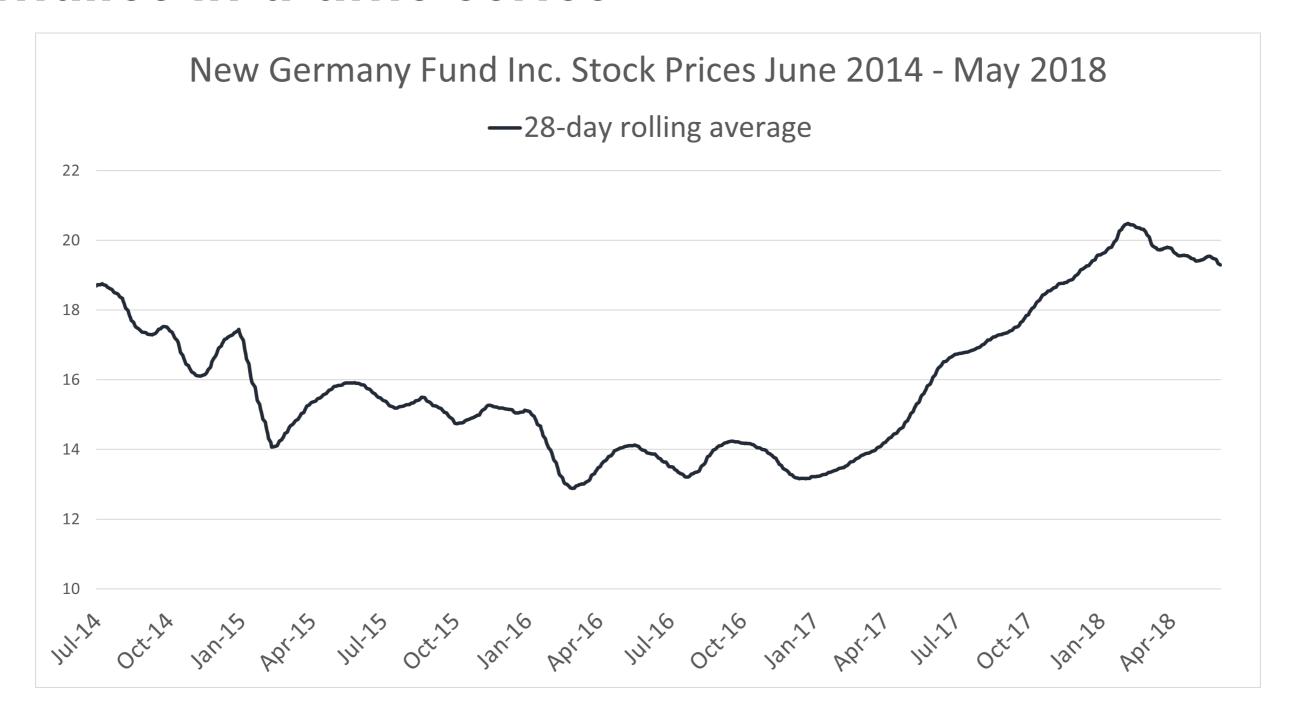


Smoothing with rolling averages



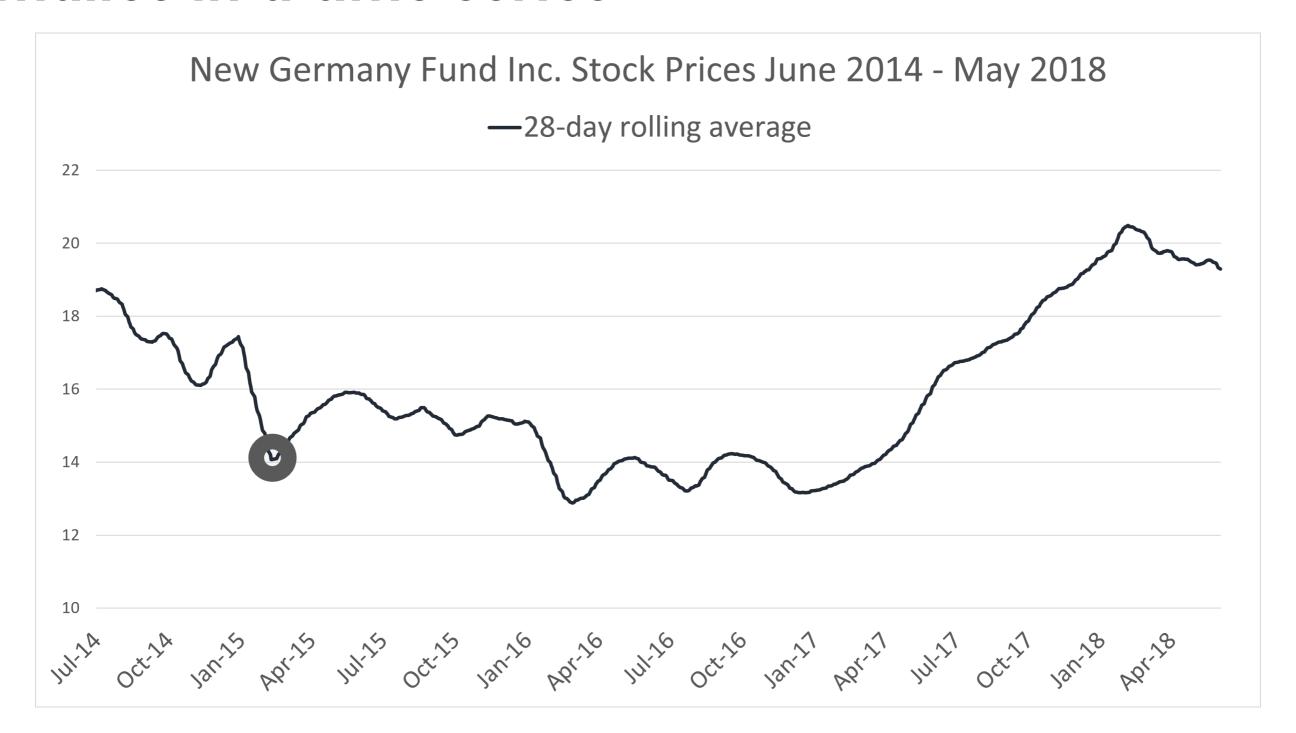


Anomalies in a time series





Anomalies in a time series





Let's practice!

TREND ANALYSIS IN POWER BI



Analyzing Glassdoor reviews over time

TREND ANALYSIS IN POWER BI



Jacob H. Marquez

Data Scientist at Microsoft



Let's practice!

TREND ANALYSIS IN POWER BI

