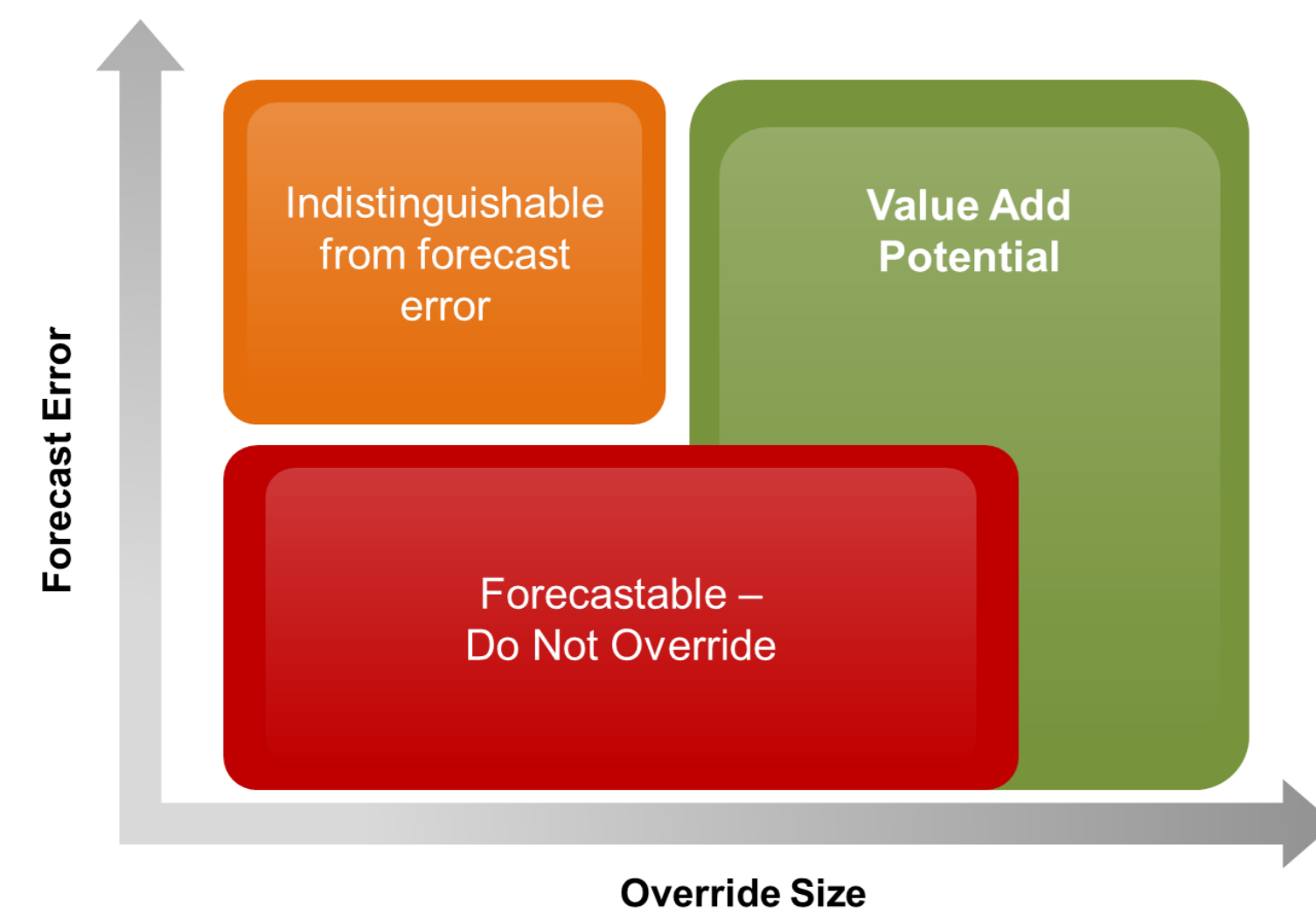


Lean Approach to Increasing Forecast Accuracy

Motivation / Background

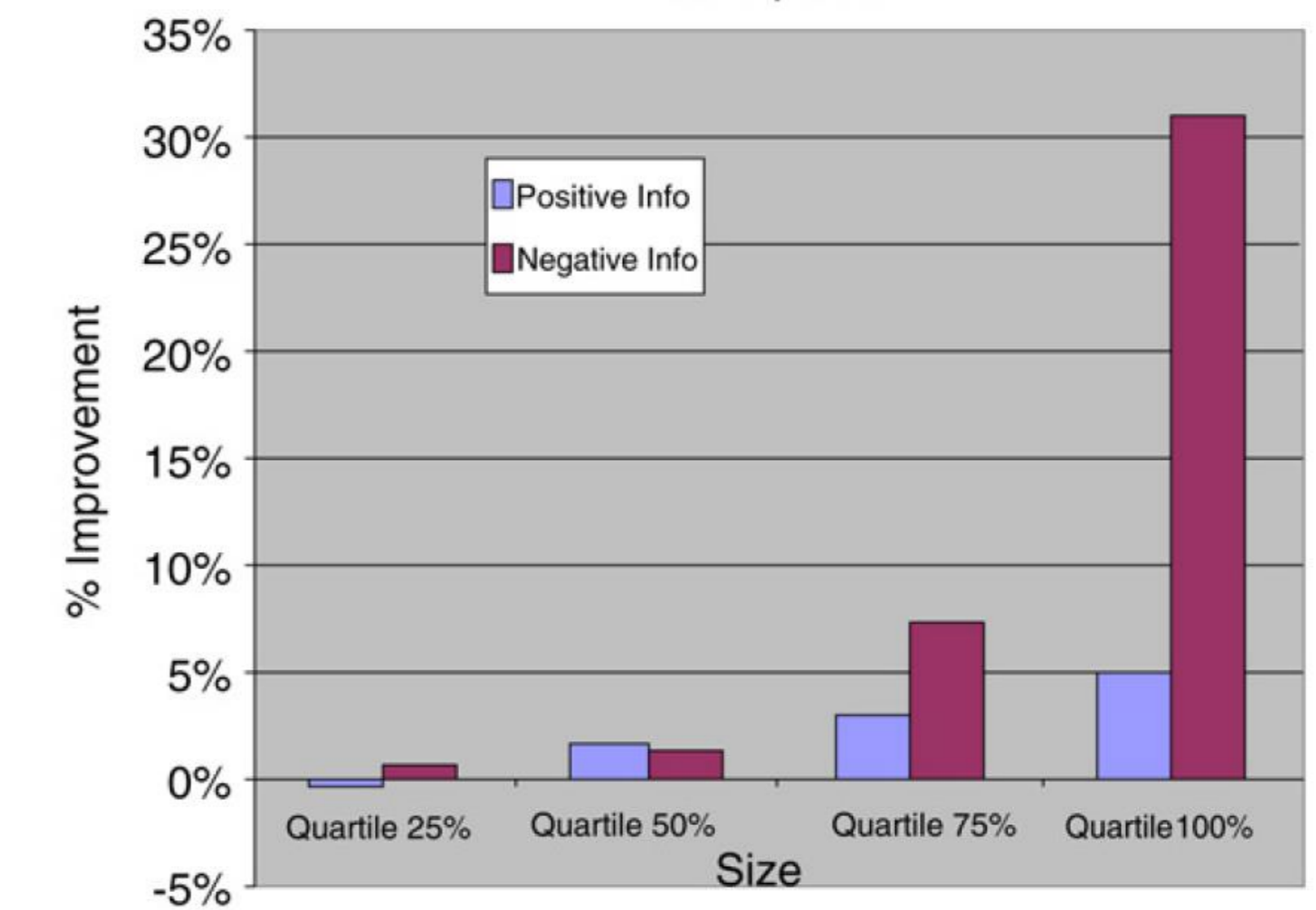
Poor forecast accuracy impacts supply chain profitability.

Framework for Maximizing Value Add



Initial Results

Results from Fildes et. al. imply a relationship between override size and forecast improvement.



Key Question / Hypothesis

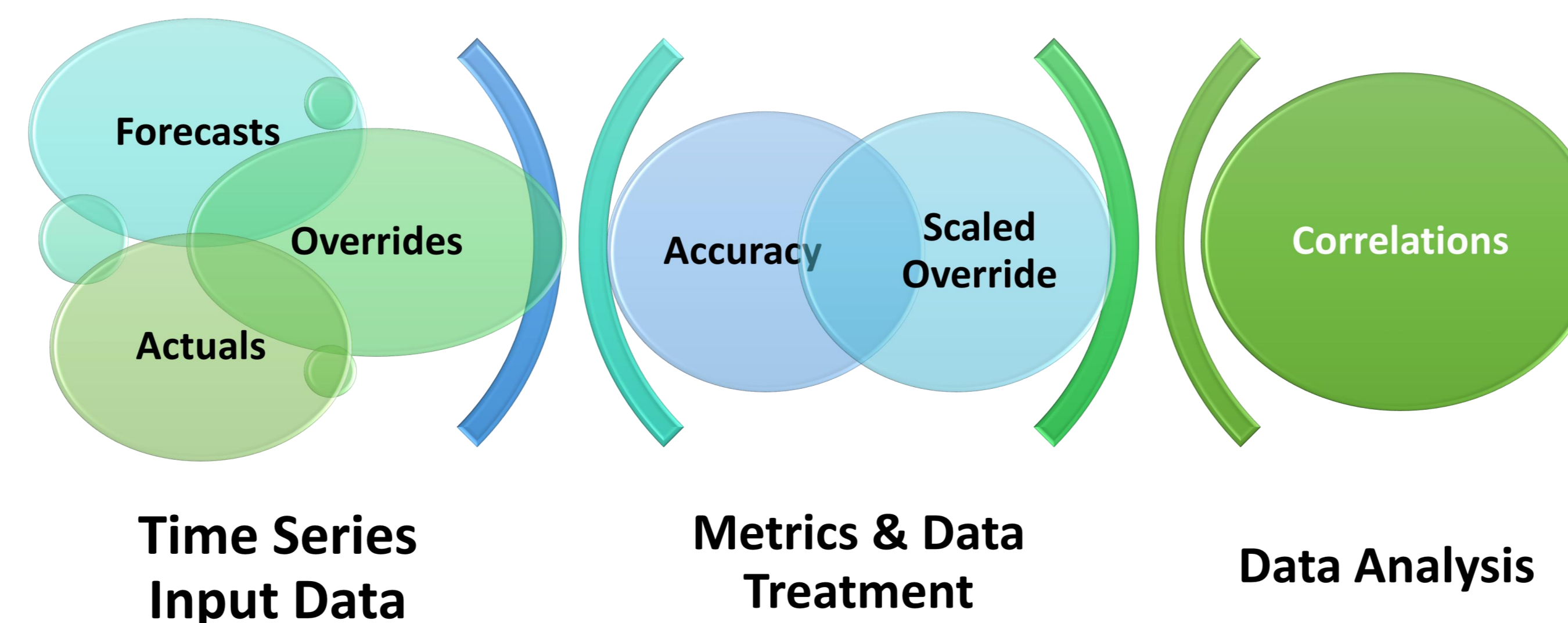
Can we create a framework to identify which overrides have the greatest potential for adding value ?

- Large overrides distinguishable from forecast error “noise” should be increase forecast accuracy.
- Small overrides indistinguishable from forecast error “noise” will be non value added.

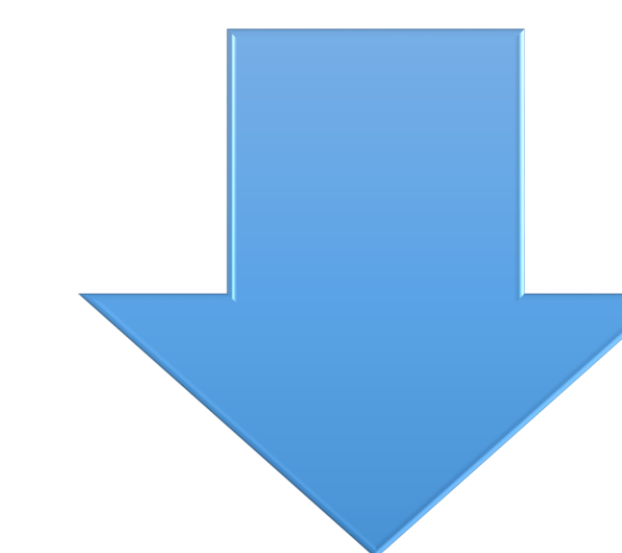
Relevant Literature

- Effective forecasting and judgmental adjustments, Fildes et al, International Journal of Forecasting 25 (2009)
- Investigating the added value of integrating human judgment into statistical demand forecasting systems, Baecke et al, International Journal of Production Economics (2017)

Methodology



Expected Contribution



Less Wasted Effort

- Decreased error & bias
- Fewer stock-outs
- Reduced schedule changes and expedites

Profitability

- Higher Customer Service
- Engaged experts
- Lower Working Capital



Jeff Baker, CSCP, CPIM, CPF

