



What makes a good prediction interval or probabilistic forecast?

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Introduction

Scoring Rules

Interval forecast

Probabilistic forecast

case study one: ASX200

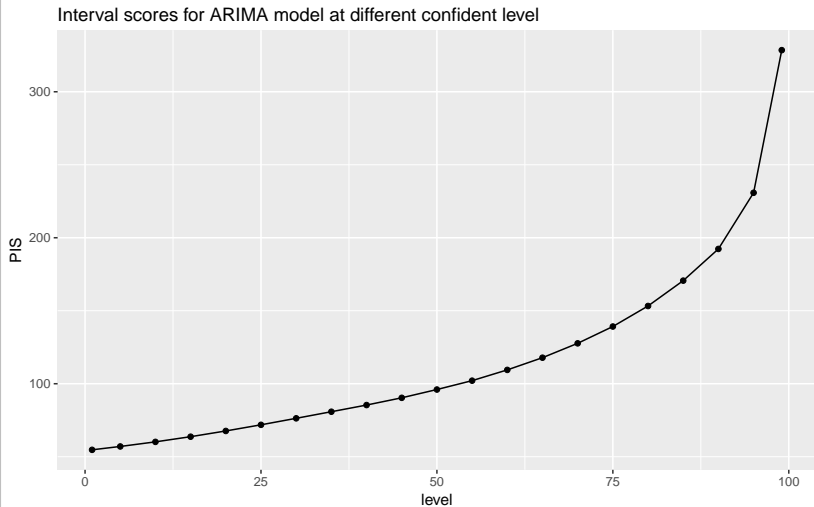
Evaluating by interval forecast

ARIMA model select

Auto.arima

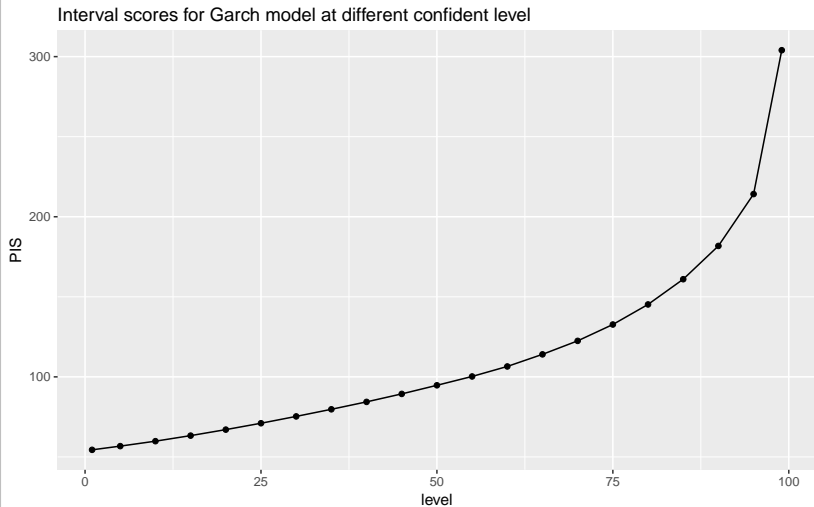
GARCH model select

plot for ARIMA model



Evaluating by interval forecast

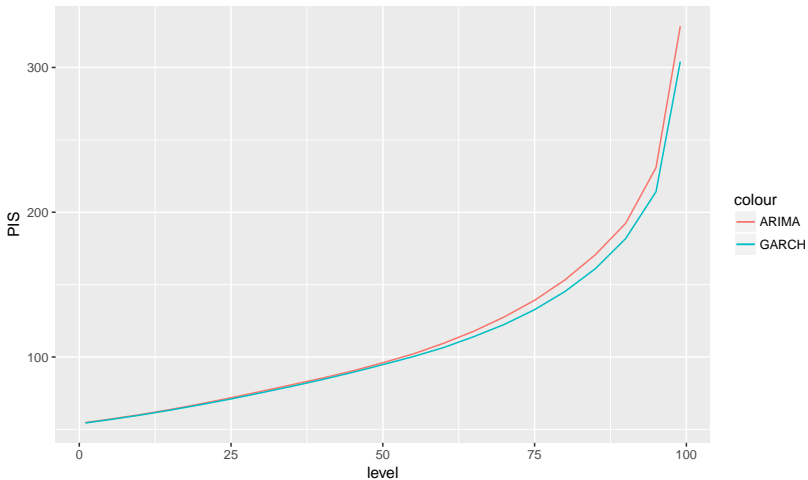
plot for GARCH model



Evaluating by interval forecast

comparing two models

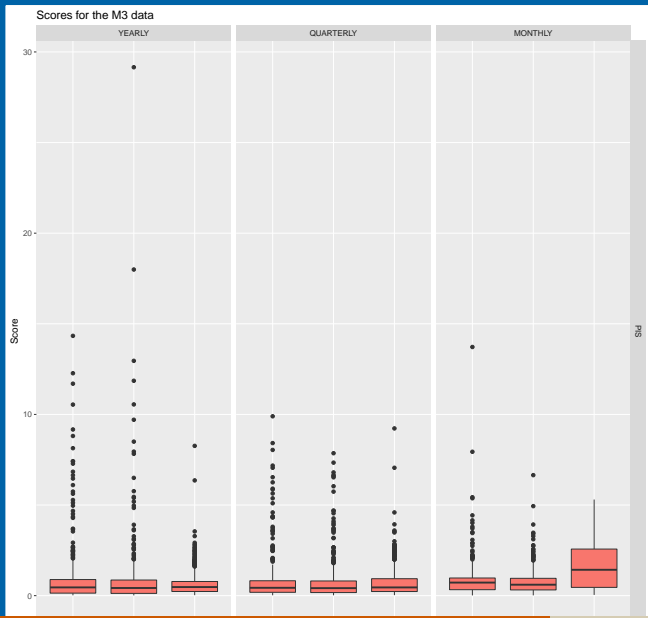
Comparing the interval scores of the two models at different level



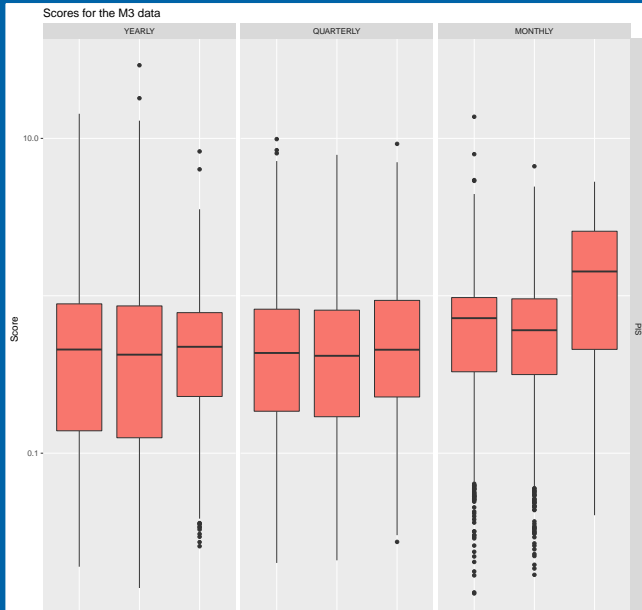
case study two: M3 data set

Evaluating by interval forecast

Plot

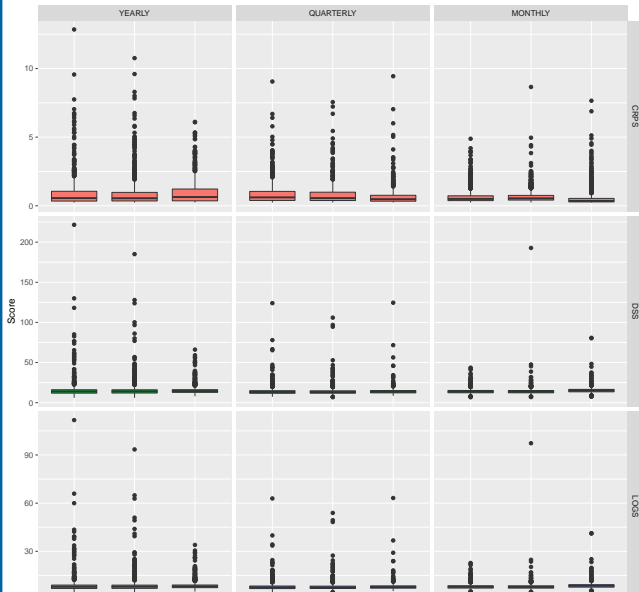


plot for log

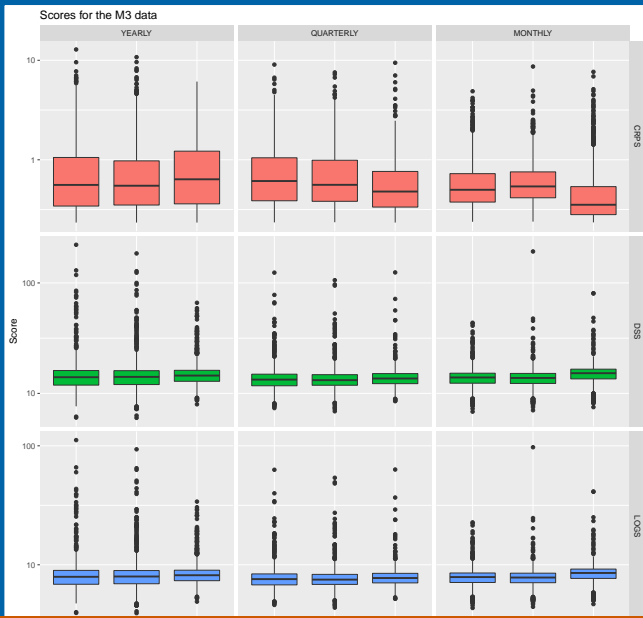


Evaluating by probabilistic forecasts

Scores for the M3 data



plot for log



conclusion

Question and Answer

Reference

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