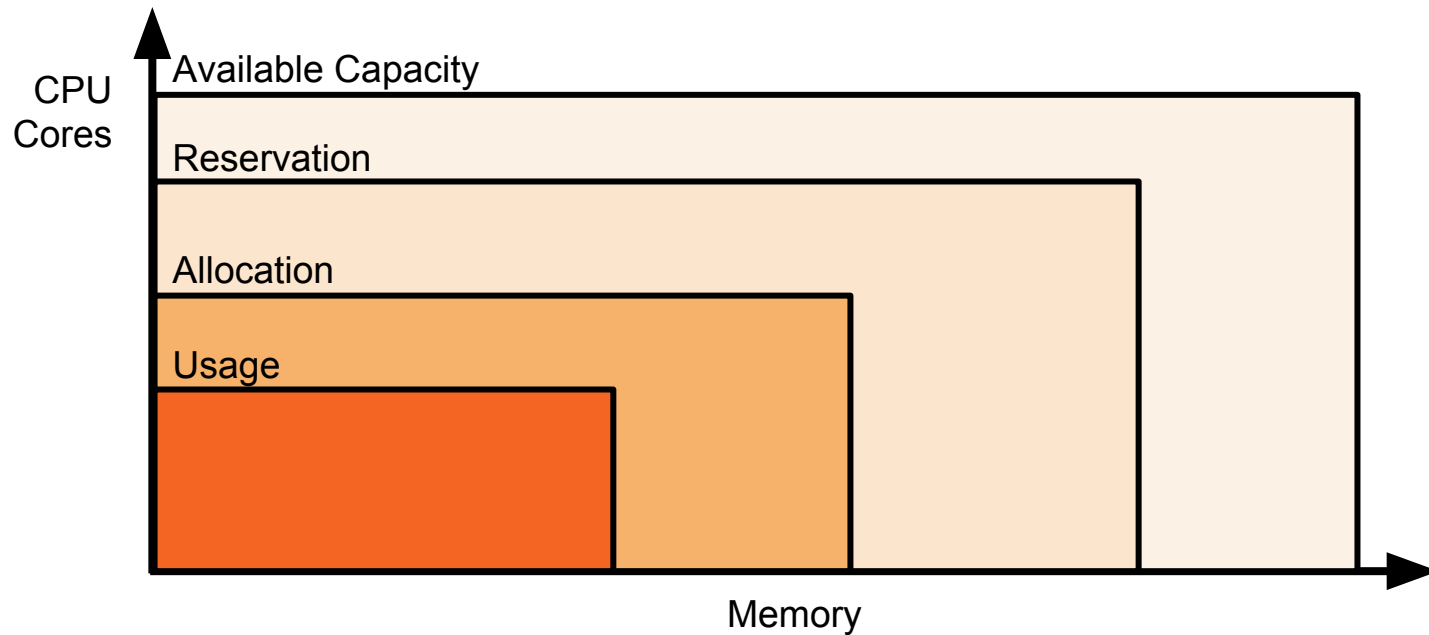

Long-term SLOs for reclaimed cloud computing resources

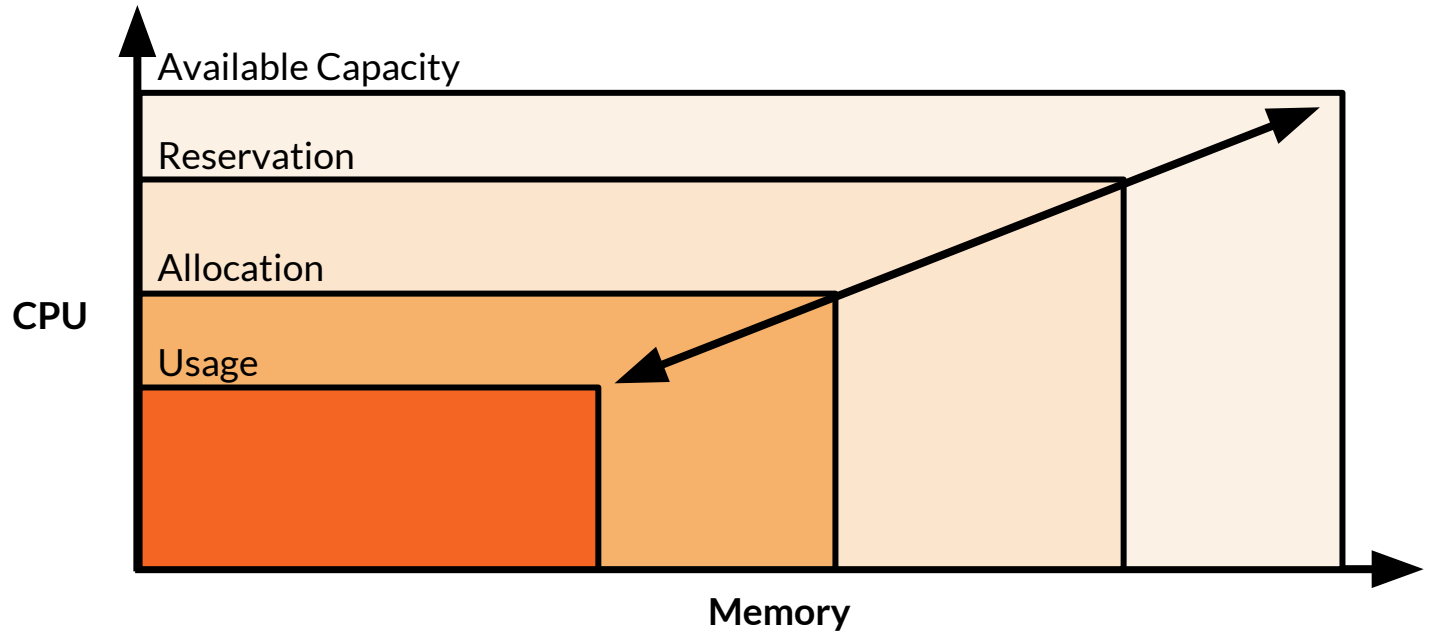
Carvalho et al. (2014)

Christopher Little

Motivation



Motivation



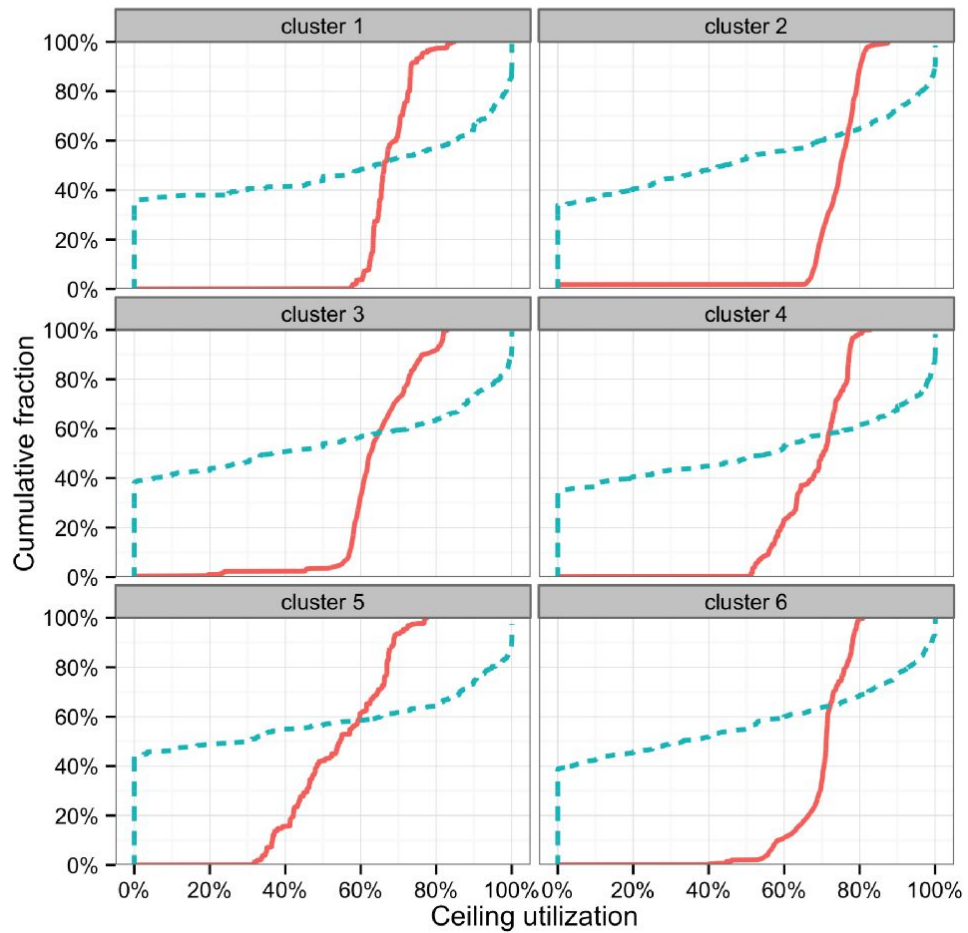
Current Approaches

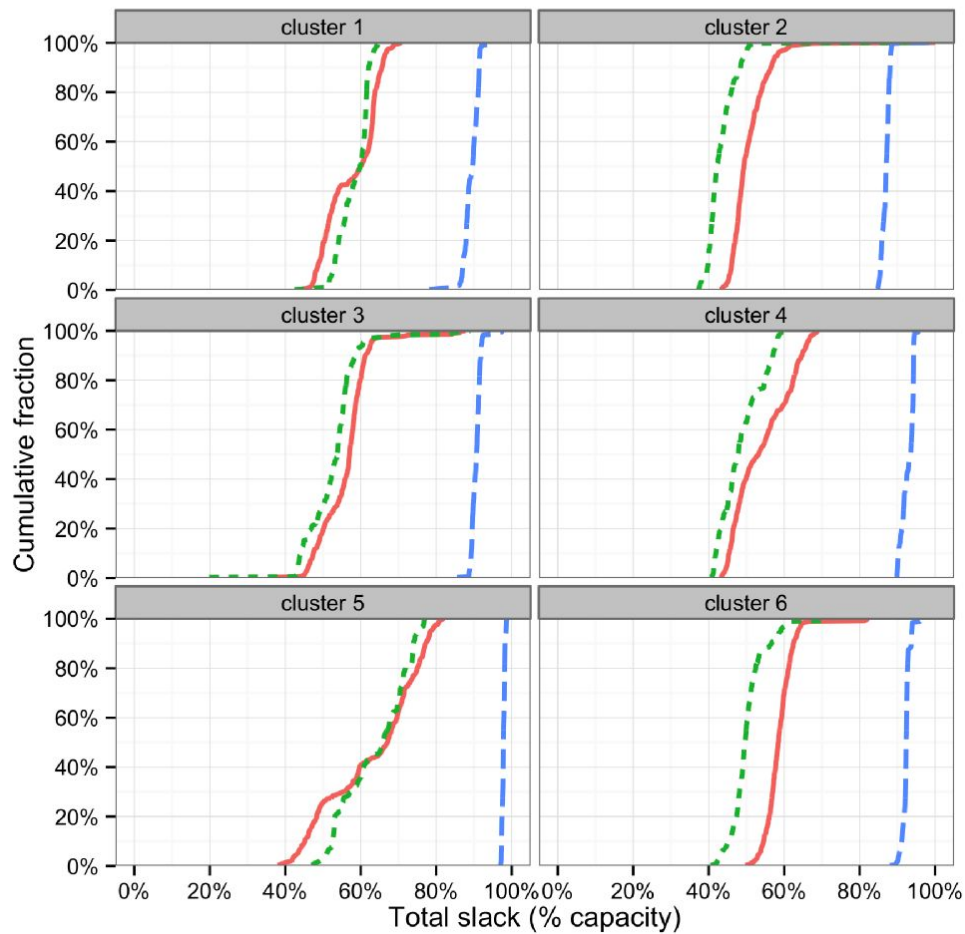
	Reserved	On-Demand	Opportunistic
Service Level Objectives (SLO)	100% Obtainability 99% Availability	99% Obtainability 99% Availability	0% Obtainability 0% Availability

Current Approaches

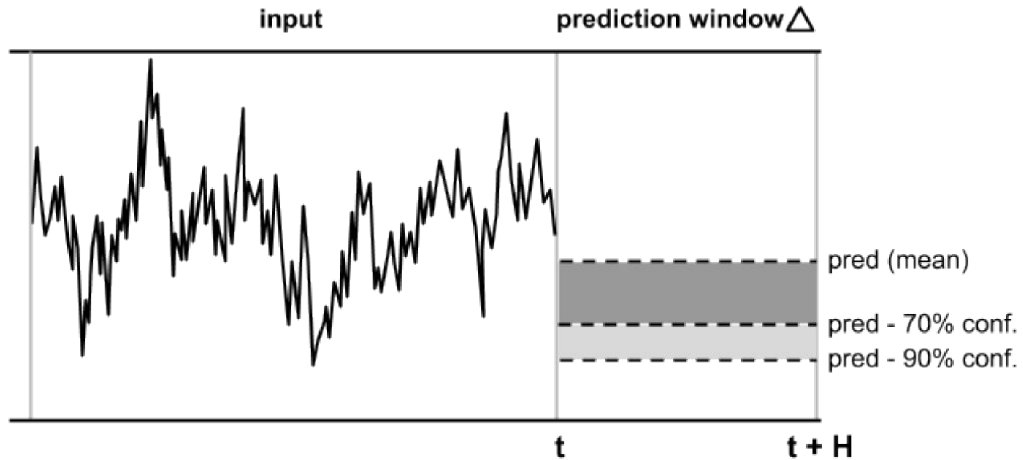
	Reserved	On-Demand	Opportunistic
Service Level Objectives (SLO) {	100% Obtainability 99.9% Availability	99% Obtainability 99.9% Availability	0% Obtainability 0% Availability
	Economy @ 28-40%	...	Economy @ 6-17%
	99% Obtainability 88.7% Availability		99% Obtainability 98.9% Availability

cluster-level user-level





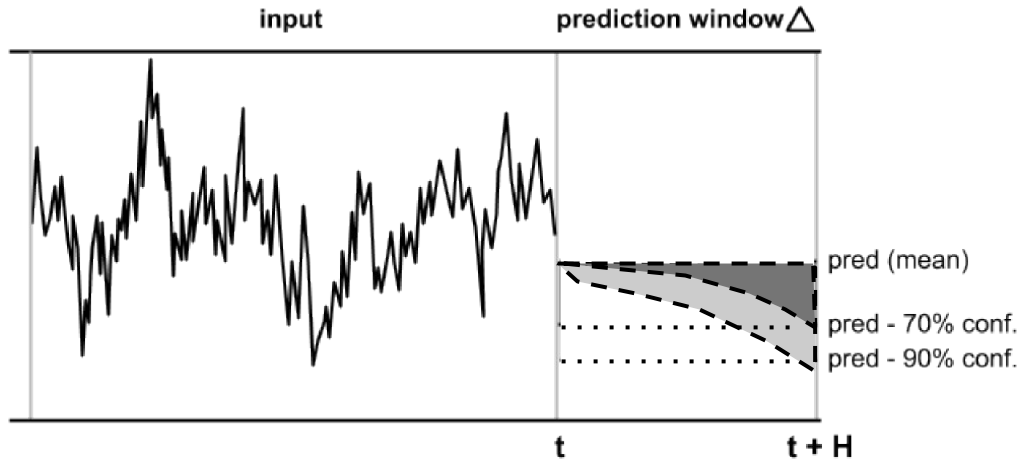
Making Predictions



Methods:

- Mean Slack
 - Minimum Slack
 - *ARIMA*
 - *ETS*
-

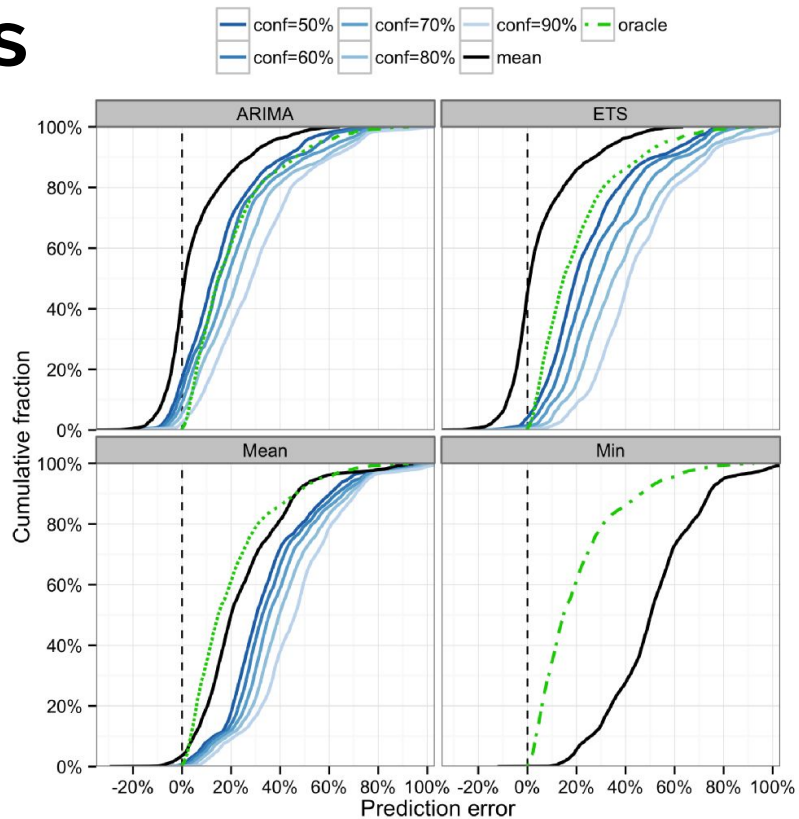
Making Predictions



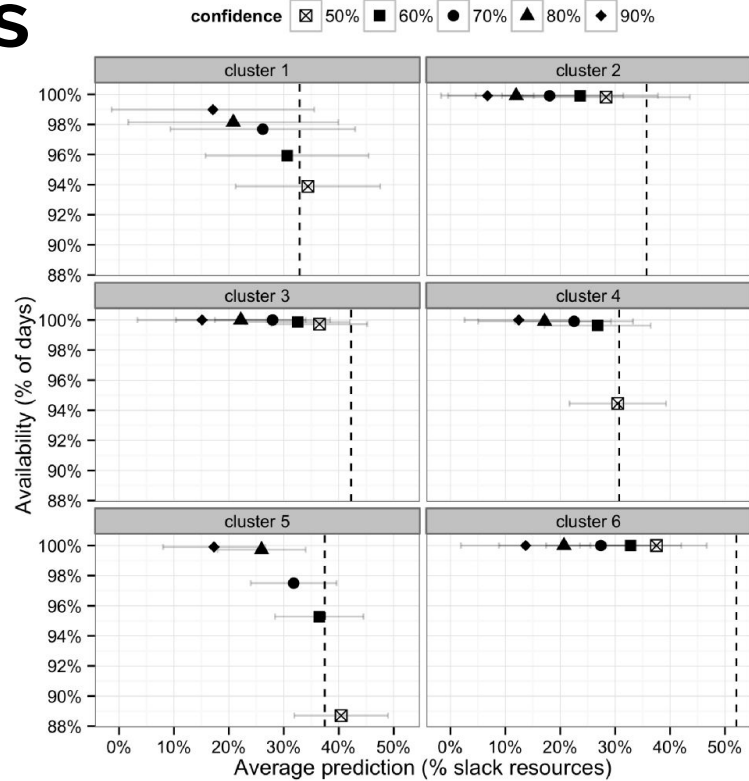
Methods:

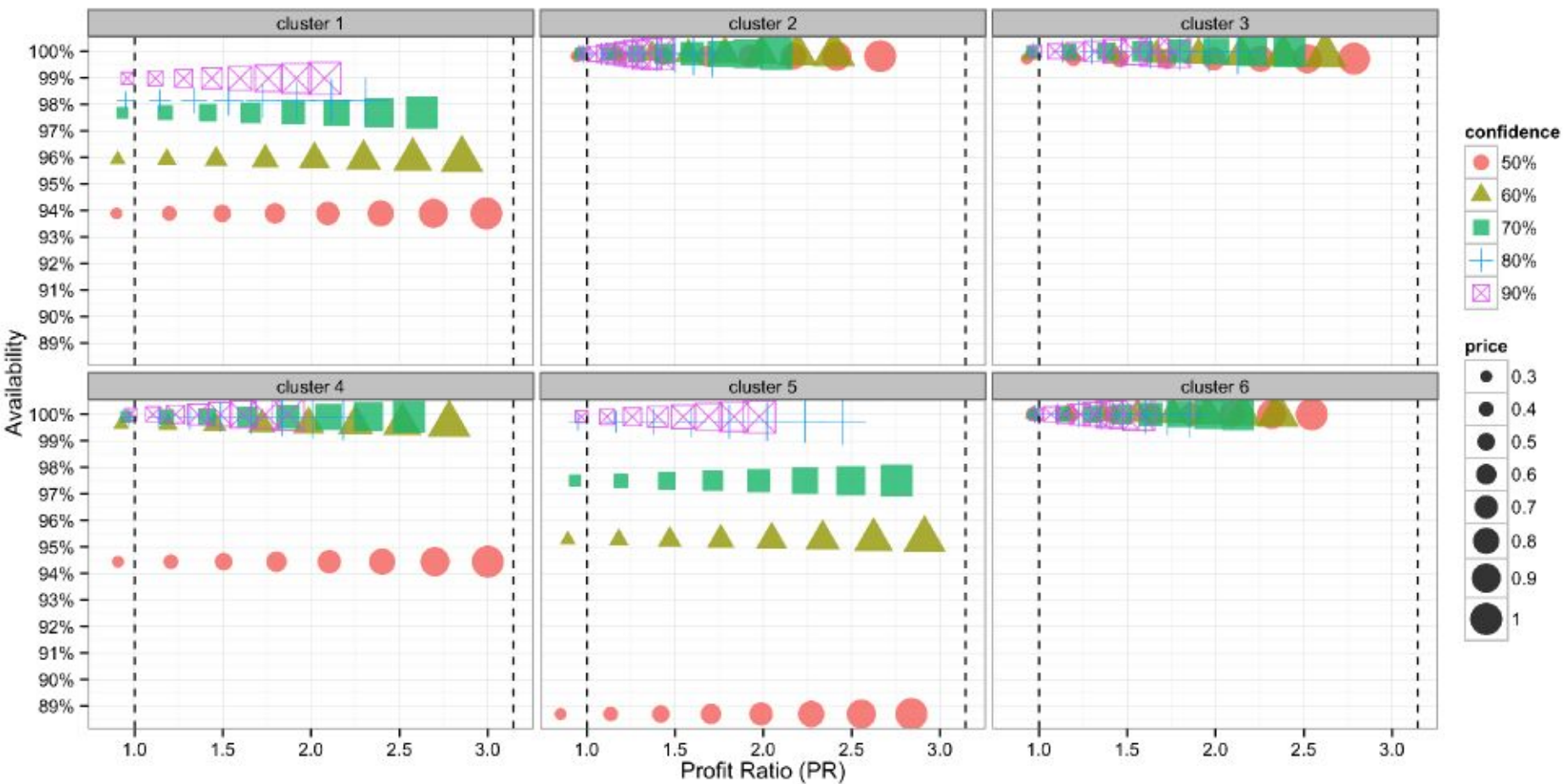
- Mean Slack
- Minimum Slack
- ARIMA
- **ETS**

Results



Results





Conclusion

There is potential to increase profit by using weak promises.

Evaluation

- Not particularly novel contribution
 - Data analysis and graphs mostly well reported
 - Though many assumptions in profitability analysis
 - Some ideas are introduced and then never revisited...
 - Why 6 months?
-

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