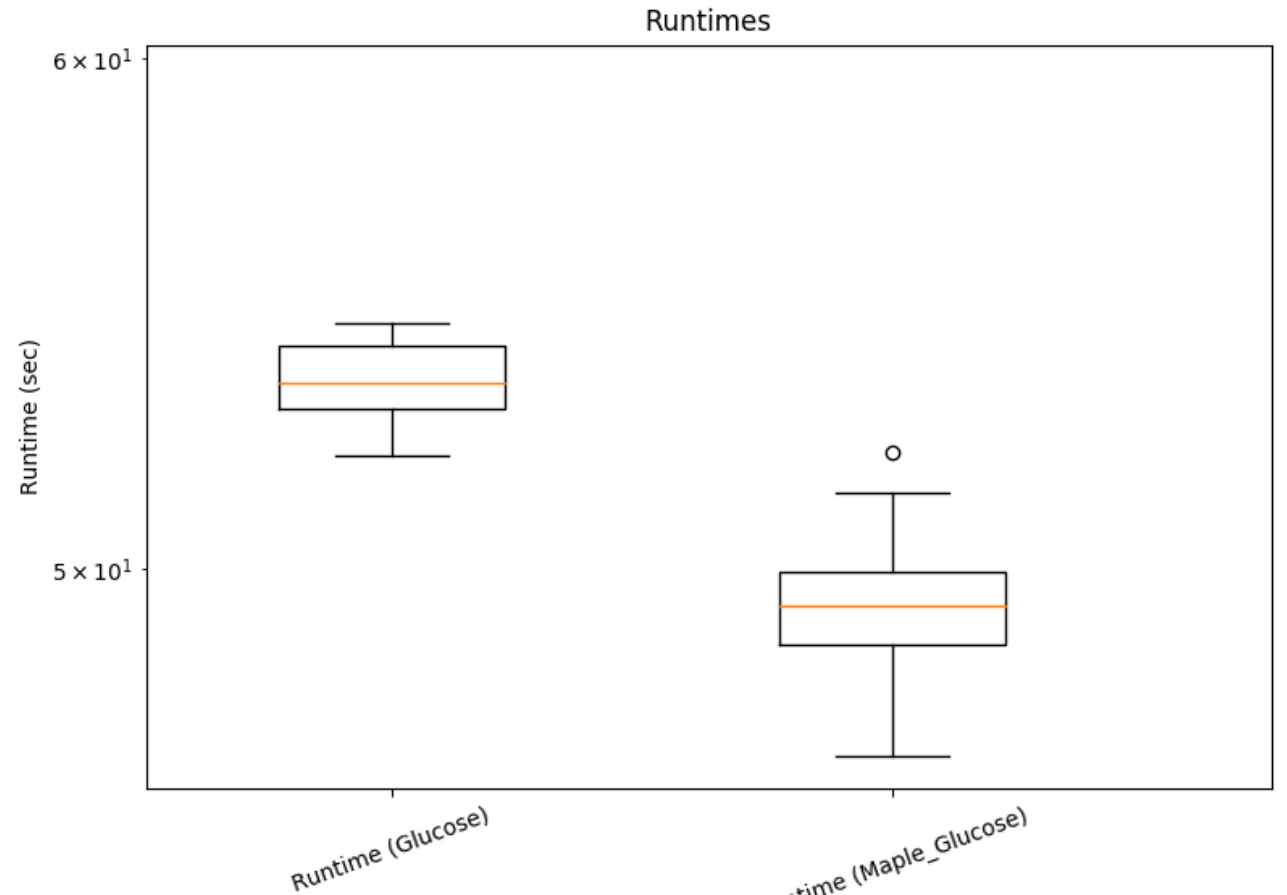# Robust Performance Measures

THOMAS WISE, LARS KOTTHOFF

Problem With RunTime

- Runtime can be inconsistent.

- Some runs are lucky, some aren't.

- Overlap in the range of two algorithms may give misleading results on which is better.

Possible Alternative: Memory Stores

- More consistent than runtime

- Can be used as a proxy for runtime

- No overlap in the range of the measurements

- Algorithm doesn't have to be lucky to prove it's better.

Runtimes vs Stores