Measuring Culture

- Identified 5 indicators that might help
  - Pony “Bus” Factor
  - Contributor Experience
  - Contributor Retention
  - Sentiment Analysis
  - Key Phrase Extraction

- What is culture?

- Can we really measure it?
Pony “Bus” Factor

HTTP Server

‘Six’ Incubating Projects < 24 months @ Apache
Contributor Experience / Retention

HTTP Server

‘Six’ Incubating Projects < 24 months @ Apache
Mood / Sentiment Analysis

HTTP Server

Mood Over Time
Mood / Sentiment Analysis

Mood Over Time
Key Phrase Extraction

HTTP Server

‘Six’ Incubating Projects < 24 months @ Apache
Summary

• Nothing matches completely
• Matching to a baseline indicators is identified 5 indicators that might help
  – Pony “Bus” Factor
  – Contributor Experience
  – Contributor Retention
  – Sentiment Analysis
  – Key Phrase Extraction

• So what did we find?
Thank You!
Links

- http://kibble.apache.org/
- Cultural Analysis Papers
  - https://s.apache.org/0czto
  - https://s.apache.org/muamq