

# SPARK+AI SUMMIT 2020

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# Portable & Scalable Data Visualization Techniques

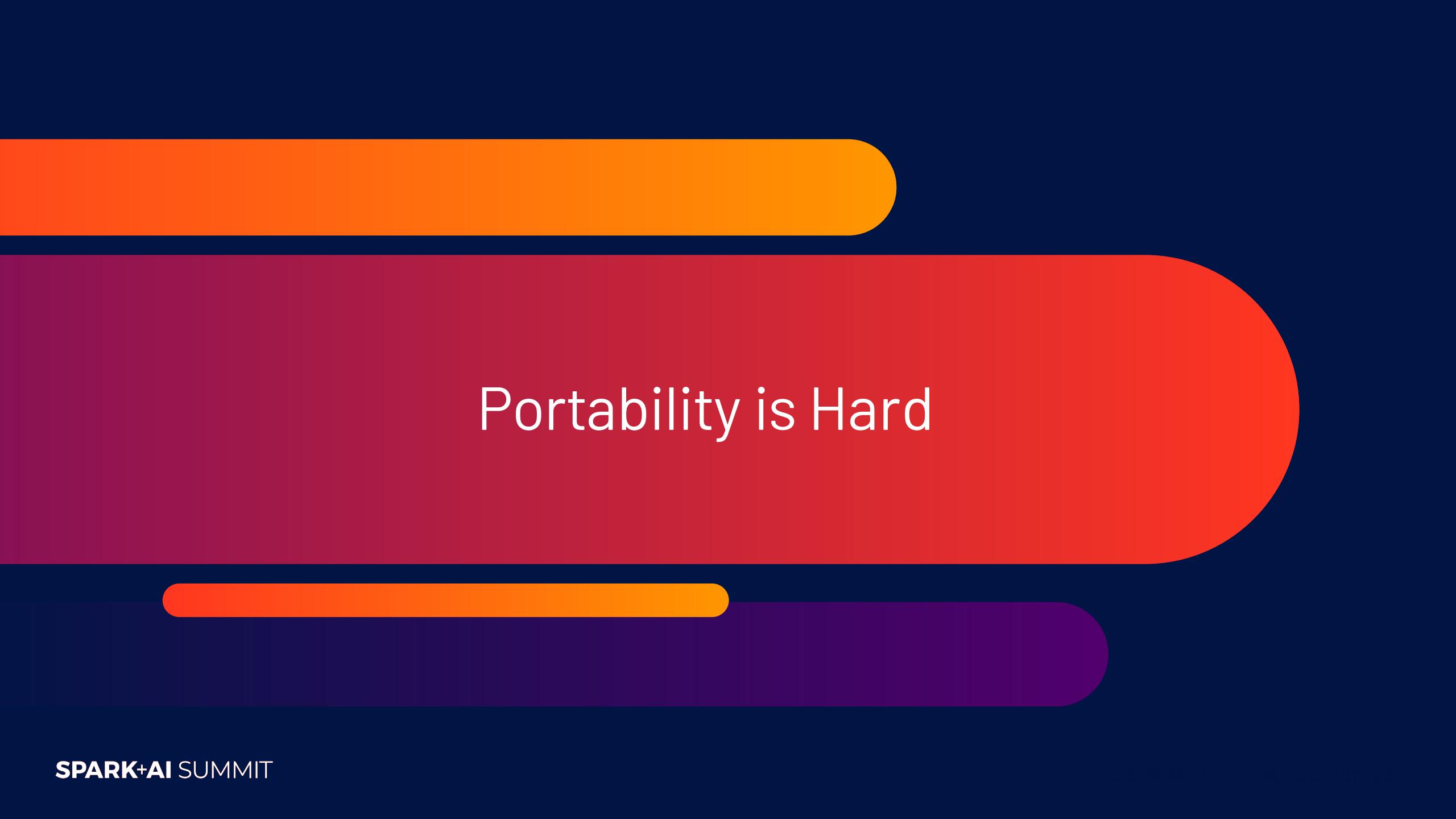
for Spark & Notebook based Analytics

Douglas Moore

Enterprise Solutions Architect, Databricks

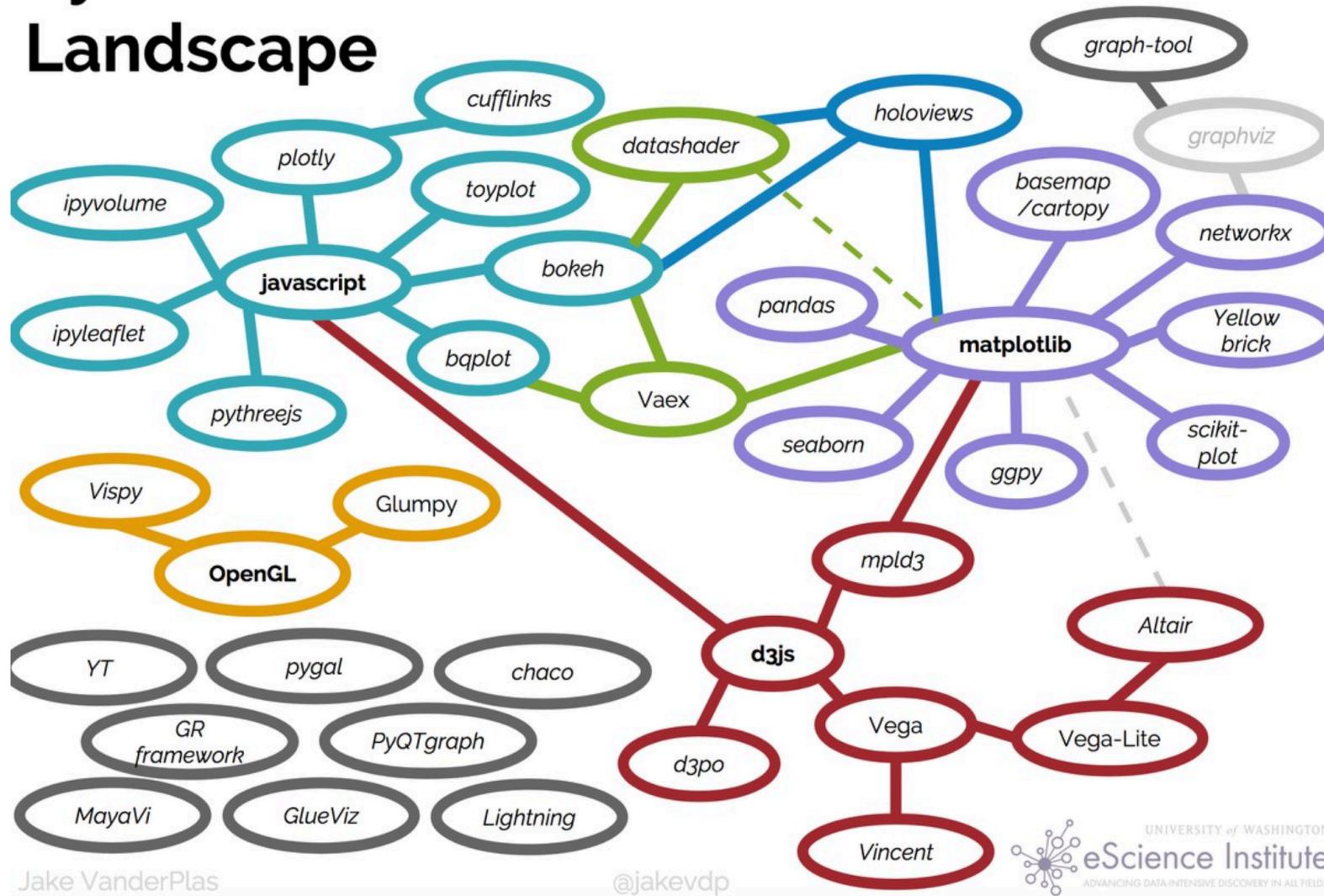
June 2020

# Why Portable Data Visualizations?



# Portability is Hard

# Python's Visualization Landscape



Graphic by Jake VanderPlas

Blog by James A. Bednar

# Strategies

# Summary: Portable Data Visualization Strategies

- Image buffer, Image file
- HTML/JS in-line
- Data Lake to Data Visualization
- Hooks
- Headless Chrome browser
- Add a proxy
- Scale out w/ Spark



# Resources

Assets: <https://github.com/dmoore247/spark-ai-summit-2020>

- Demo Notebook

## References

- [Python Visualization Landscape](#)
- [pandas\\_bokeh](#)
- [pyviz.org](#)

# Feedback

Your feedback is important to us.

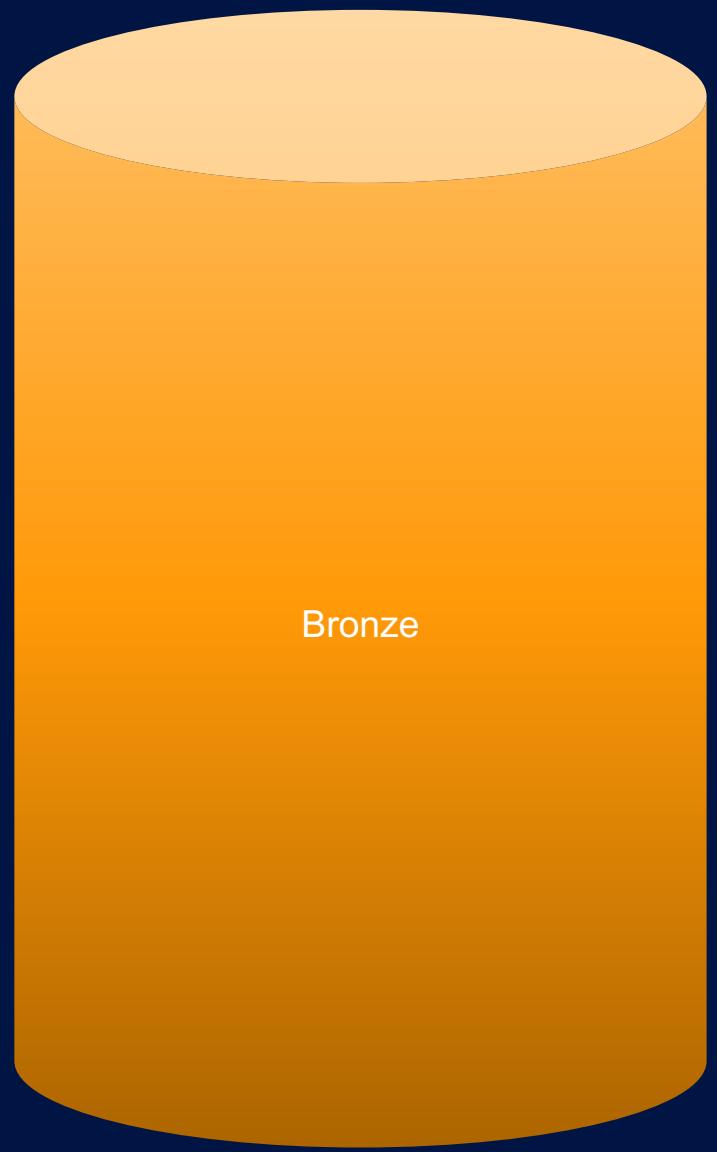
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Bronze

Data Lake Visualization Drawn to scale

