

DIPS Analytics

Building an Interactive Web Dashboard Application to Automate Analysis and Visualization

Simon Pastor

08/05/2021



Summary

- Context
- Process
- Live Demo
- Next Steps

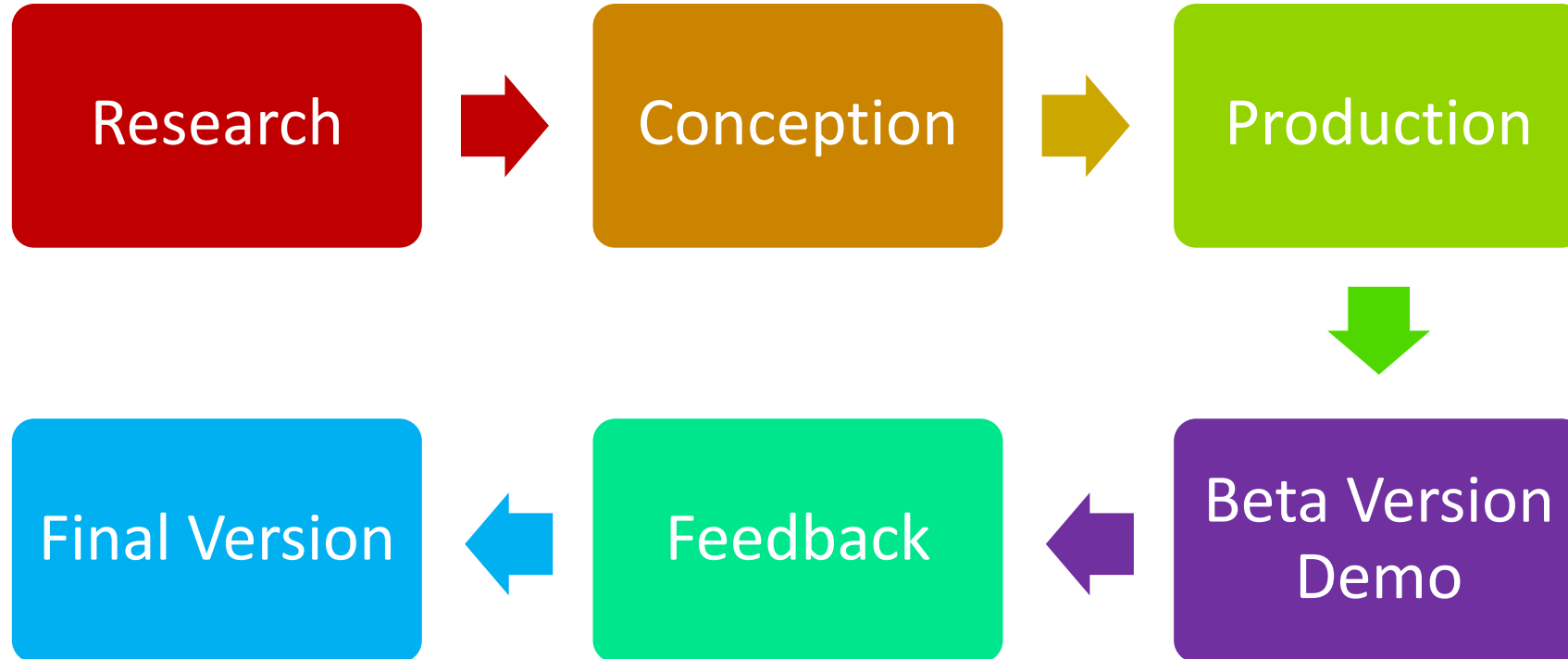


Context


- DIPS publishes new data every year
- Days of work are needed to produce the visualizations and analyses that accompany the publication of updates
- If the same tasks are repeated, they can be automated



Process



Demo - Revisions



Division of Industry Productivity Studies

Navigation

- ☐ Home
- ☒ Analysis
- ☐ Release Notes

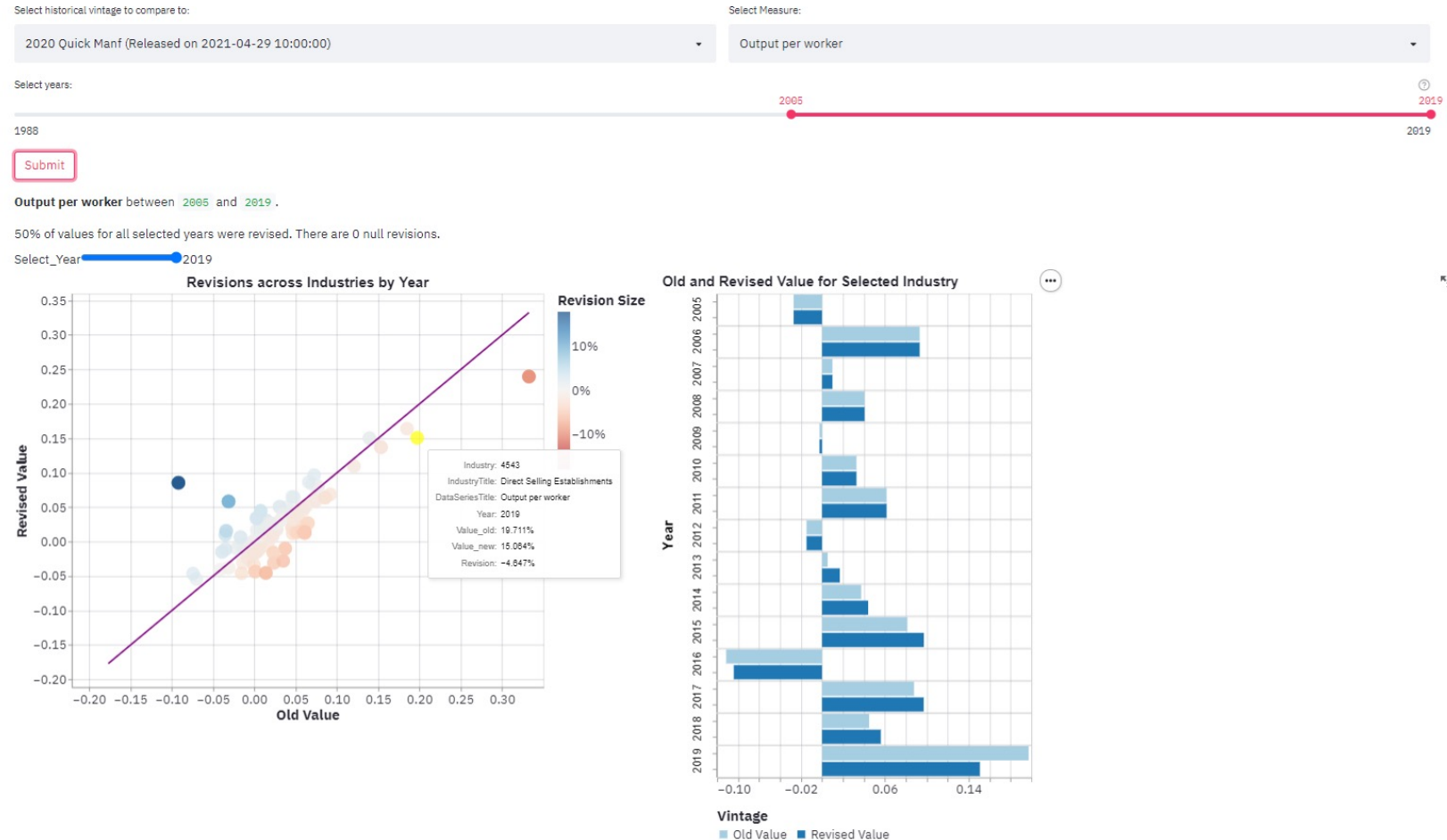
Pre-release data disabled.

Update:

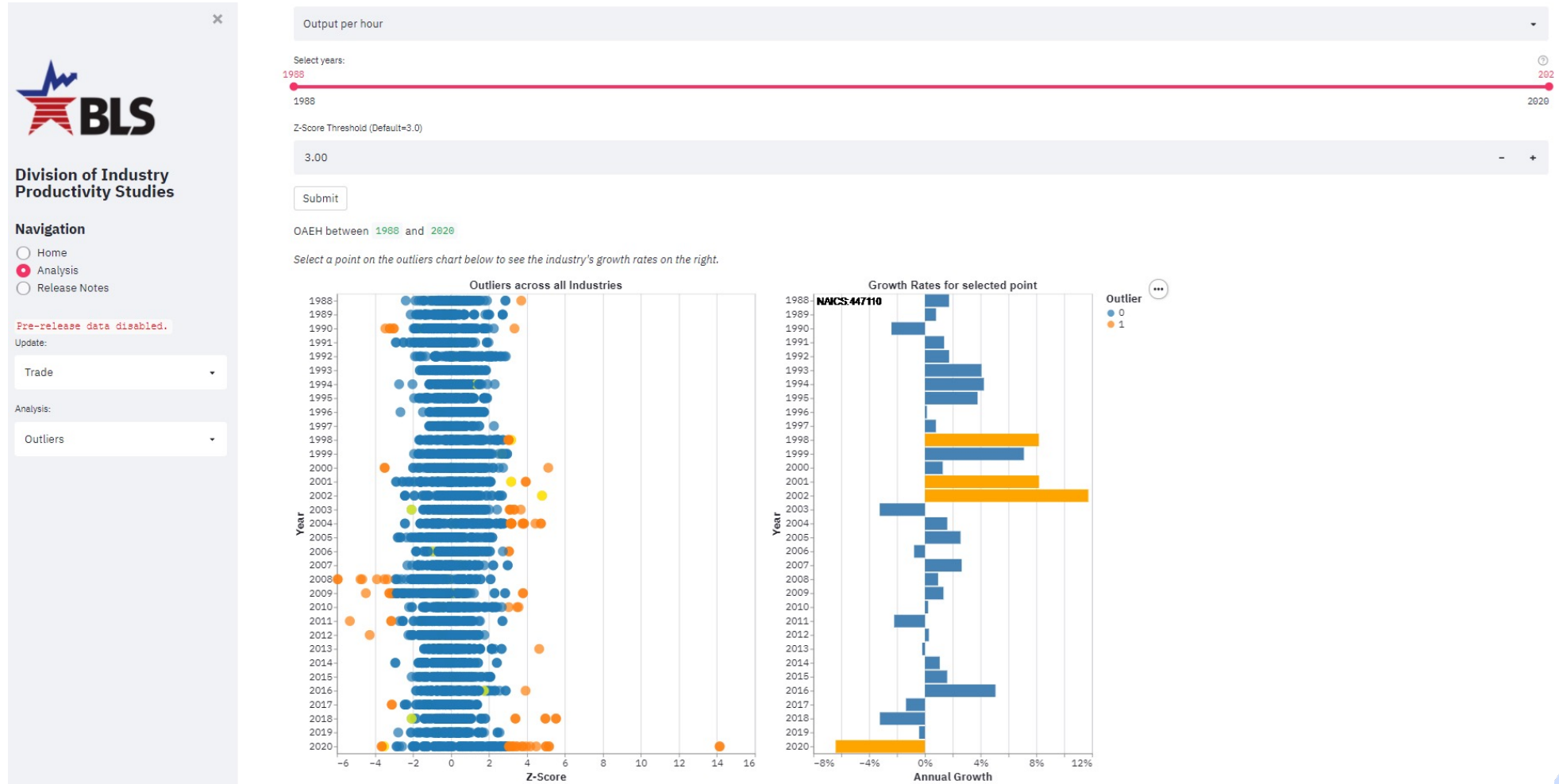
Trade

Analysis:

Revisions



Demo - Outliers



Next Steps

- App fetches Live Data
- Submit Issues on GitLab
- Well Documented Code
- Streamlit – Easy to learn and use



Contact Information

Simon Pastor
Data Science Fellow
OPT-DIPS
pastor.simon@bls.gov

