

Adaptive results visualization of sequences ARVoS

Team-ARVoS

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Principal Objectives

Motivation

- ① Create a dynamic and interactive results display environment (Flask)
 - Include both associative and **predictive** statistics
 - ② Create an environment that encourages model comparison
- Apply it to a meta-analysis of asthma (reference assemblies)
 - Apply it to a *de-novo* assembly from a unpublished butterfly species
 - Create nice documentation using Sphinx
 - Dockerize the databases and WebApp for ease of use

Flask Part

- ✓ Use bootstrap theme
- ✓ Heatmap viewer
 - Table of contents view
 - Generic results view

Pipeline Part

- ✓ Wrap DESeq2 in Associative Class
- ✓ Create counts to features utilities
 - Harmonize results formats

Docker, Docs

- ✓ Dockerize postgresQL database and API
 - Asthma meta-analysis example
 - Butterfly de-novo example

Screenshots

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Contact

This is where all our names go so the press may find us.
Ben Busby was not involved.

Screenshots

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About

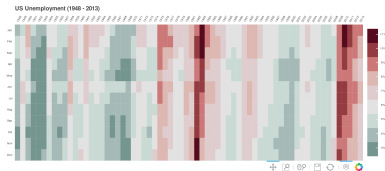
This is all about the project.
So many smart things to say.

Screenshots

ARVOS Visualization About Contact

Here is where our amazing visualizations live.

We have your interactive heat maps.
We have your data in fewer dimensions.



Demonstrates a simple bokeh heat map embedding into a Flask app