Interactive Display of Population Soybean Genomic Data

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09/03/2014

# Abstract

# Shiny Applets for Interactive Data Display

What is Shiny, how does it work, etc.

# Why Shiny?

Explain interactivity, server backend, advantage of serving up data over the web.

# Data

Describe magnitude of data, CNV analysis steps, etc.

# Applet Descriptions

## Copy Number Variation

* Describe different tabs in the applet, explaining the CNV methodology in minimal detail? Discuss the inclusion of genetic data and phenotype information (for reference purposes).
* Include example video of Michelle using the applet.

## Single Nucleotide Polymorphism

* Describe tabs, data workflow
* Include example video of Michelle using the applet

## Genealogy and Phenotype Reference

* Describe spin-off of CNV applet - genealogy of (most) soybean varieties