Opportunity and Significance

Simplifying the 2013-2014 USFWS Bee Survey project using Matlab. Taking the inputted data and sorting it based upon questions in regards to location, gender, and species.

Technical Objectives

- Images of each species
- Breakdown of state-wide species comparison
- Comparison of state-wide gender
- Total population gender comparison per location
- Simplify the sorting process
- Give visuals for easy understanding

Technical Approach, Accomplishments and Results

We were able to achieve our goals by creating a code that would allow the user to easily understand the data by using images and graphs to convey the information.

Next Steps for Development and Test

The USFWS would need to conduct further testing for updated data sets to compare the change in bee populations. With the new data sets, more code can be written and interpreted.

Commercialization Plan & Partners

Partners:
Alex Whybra
Simon Palanjian
Tim Haddad

This product will not be commercialized by USFWS, and will only be used for Basic Engineering 1500.

Related Work and State of Practice

The U.S Fish and Wildlife Service conducts frequent research about species who are endangered, for example bees. They release the data to the government data site which allows individuals to interpret.

References

Dr. Tonya Whitehead
Diana Diaz Herrera