

Statistics
at
Penn State

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Some Problems

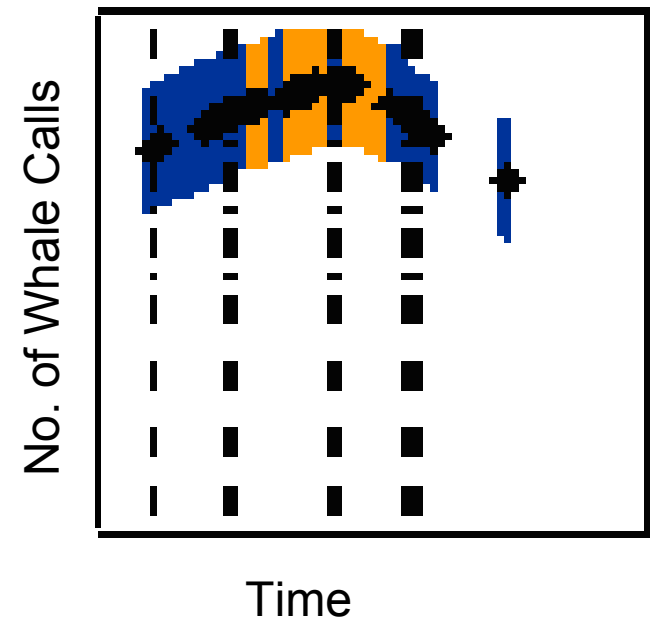
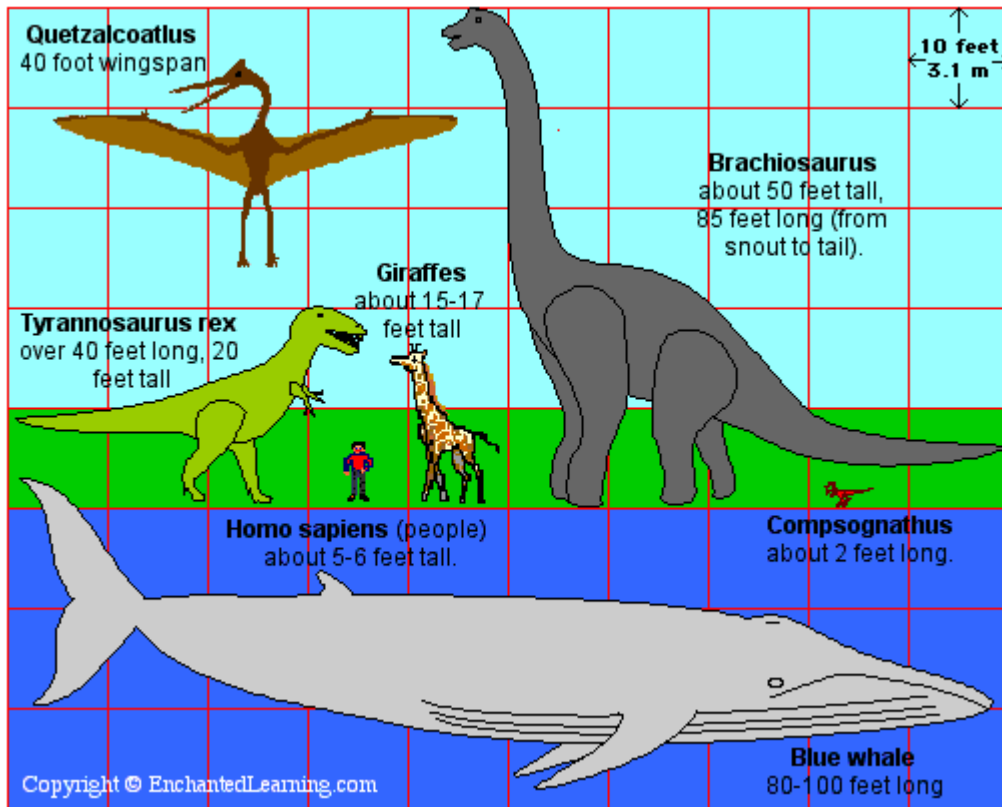
The effect of naval sonar on whales.

The effect of calcium supplementation on bird growth.

Which plant genes are involved in making a flower?

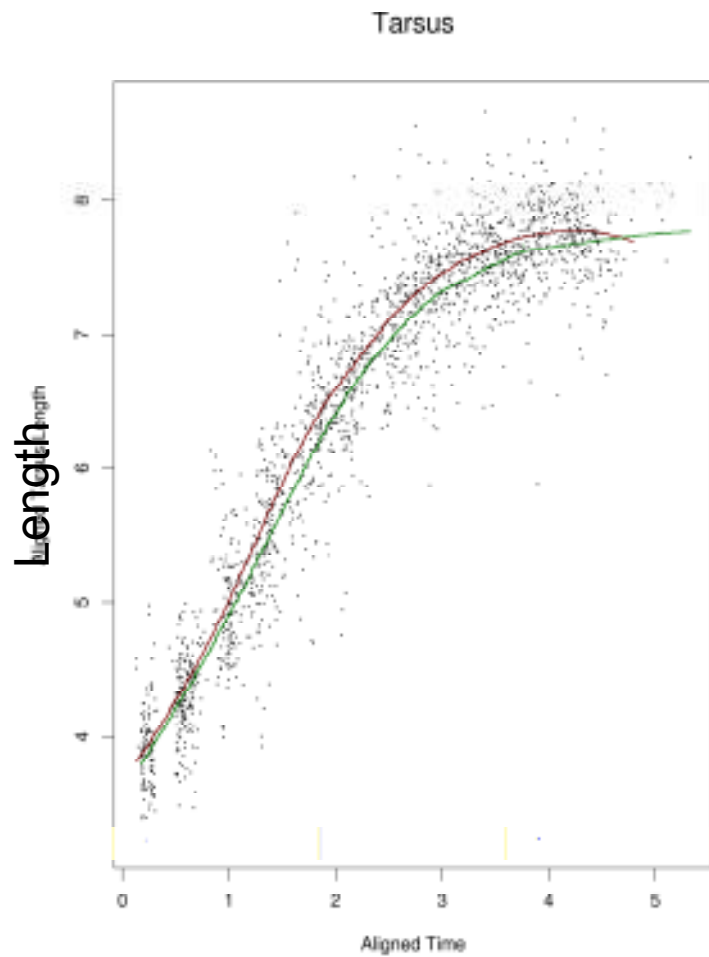
Is there a genetic component to addictive behavior?

Whales and Sonar

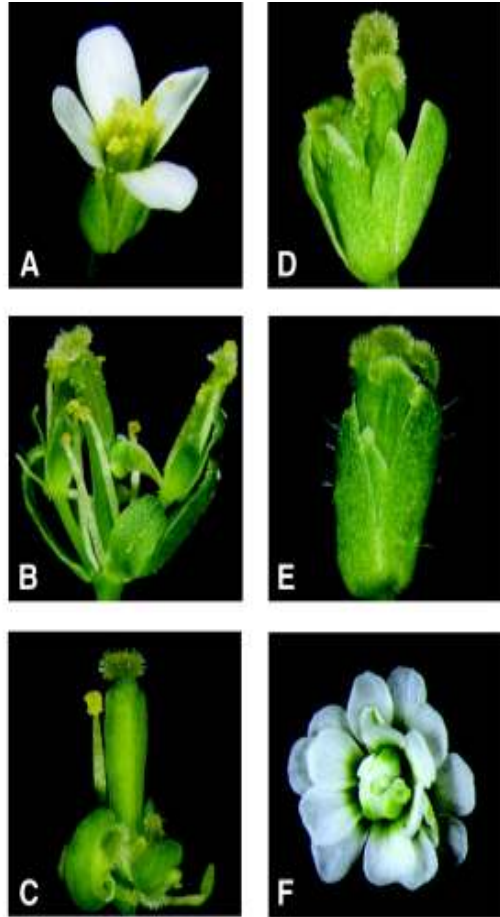


How many whales? Investigators were able to assemble call locations into “swim tracks” and count the number of whales.

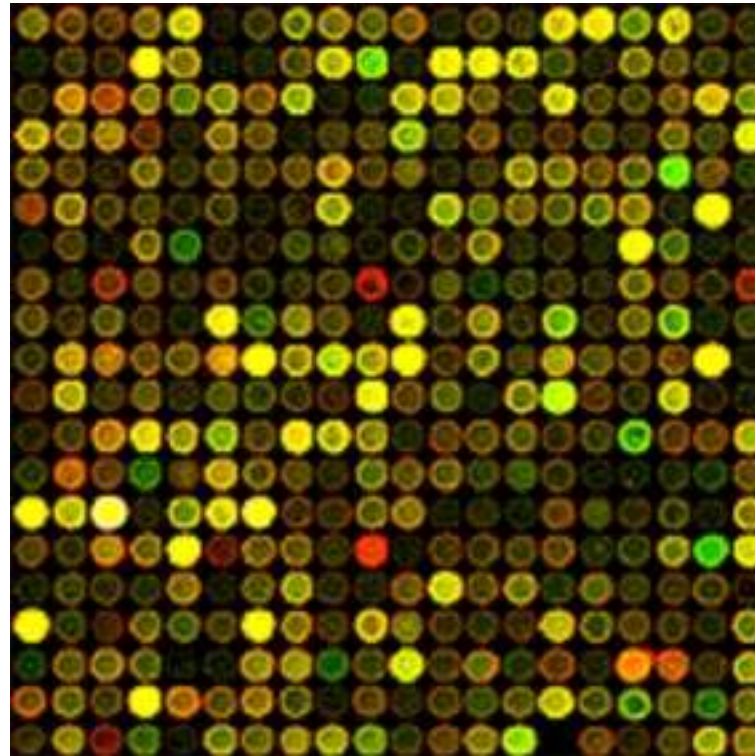
Tree Swallow Growth and Calcium



Plant Genes and Flowers



Mutant Arabidopsis Flowers



Microarray measuring gene expression

Genetic basis of addiction



Lab mice serve as models for humans.

Who should study statistics?

- strong quantitative skills
- interest in science, social science, medical research
- communication skills

Careers in Statistics?

Industry

- pharmaceutical
 - marketing
 - survey
- genomics
finance

Government

- Census
 - EPA
- Labor Statistics
Homeland Security

Academic

- research
- teaching

Information about our program

- www.stat.psu.edu

Information about the Discipline

- www.amstat.org

Contact Information

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