



As a statistical scientist,  
I translate scientists'  
hypotheses and word  
problems into a few (essential)  
equations that help further  
our understanding of the  
world we live in.

**Dr. Haiganous Preisler**  
Statistical Scientist

Ph.D., University of California, Berkeley  
USDA Forest Service scientist

<http://www.naturalinquirer.org>



## Dr. Haganoush Preisler



### Important Scientist Characteristics

The ability to take a long word problem, discard unessential details, and reduce it to a few essential equations, are important skills in my career.

### Example of a simple research question I have tried

**to answer:** The question that I have had to address repeatedly is, how can I extract information from data? For example, as our climate changes it might have a very small, but nevertheless important, effect on forest health. How can we find and visualize these effects? How can we make sure that our findings and forecasts are defensible?

### Technology or equipment used in research:

With instruments available nowadays, like satellites, Global Positioning System (GPS) units, and networking, the amount of data bytes collected each day is in the quintillions. A powerful computer is essential to my research. Using the computer and statistical software, I am able to explore, visualize and analyze very large data sets.

### • Most Exciting Discovery

- It's exciting that by doing what I
- like most, I am able to make useful
- contributions to our understanding
- of the environment we live in.
- An example is making informed
- predictions of the effects of climate
- change on the probability of fires.

- **When did you know you wanted**
- **to be a scientist?** In the seventh
- grade I realized the usefulness of
- algebra. I could translate long word
- problems into one-line equations.
- I discovered statistics in college. In
- graduate school I realized the great
- opportunities statistics provided to
- work in many research fields, from
- biology, to economics, physics,
- medicine and all the environmental
- sciences.



# Meet the Scientist!



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### Example of a simple research question I have tried to answer:

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