
“The sexy job in the next ten years will be statisticians. Because now we really do have essentially free and ubiquitous data. So the complimentary factor is the ability to understand that data and extract value from it.”

Hal Varian
Chief Economist, Google
January, 2009

“From medical studies to research experiments, from satellites continuously orbiting the globe to ubiquitous social network sites like Facebook or MySpace, from polling organizations to United Nations observers, data are being collected everywhere and all the time. Knowledge in statistics provides you with the necessary tools and conceptual foundations in quantitative reasoning to extract information intelligently from this sea of data.”¹

¹ Excerpt from Boston University Mathematics and Statistics web site
<http://www.bu.edu/stat/undergraduate-program-information/why-study-statistics/>

For more information:

<http://thisisstatistics.org/>

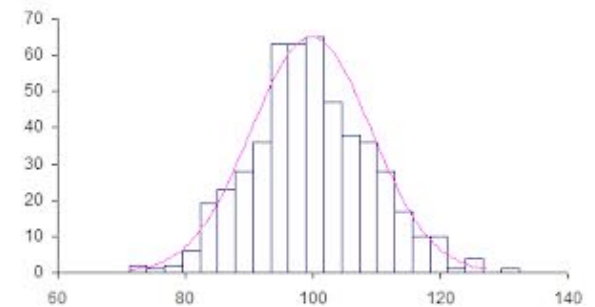
<http://apcentral.collegeboard.com>

www.amstat.org/careers/index.cfm

<http://www.amstat.org/careers/otherresources.cfm>

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AP Statistics



“Our lives are governed by numbers. Every high-school graduate should be able to use sound statistical reasoning to intelligently cope with...life.”²

² *Guidelines for assessment and instruction in statistics education (GAISE) report: a pre-k-12 curriculum framework* / Authors, Christine Franklin ... [et al.]

Statistics is the art and science of extracting meaning from data.

We live in a data-drenched society, where skills in statistical analysis are becoming more in demand across many college majors and careers.

In AP Statistics, students will collect, analyze, and interpret data, and learn how to clearly communicate and present their results.

Students who do well in this course tend to have (or develop) critical thinking and communication skills as well as a good work ethic (i.e. habit of distraction-free reading, study and problem solving).

Students do not need to have exceptional math skills.

“This is not a math class.”

Former students:

...as I find myself in a statistics course this semester at Purdue I couldn't help but to stop in and say thank you! The information covered in the course here, described as difficult to some, is coming with ease thanks to the in depth coverage of many of these topics that you covered during the AP Stats course at Noblesville. It is coming into light how difficult this class would be without my previous exposure to the material... --C.C. (NHS '10)

I graduated from NHS in 2002...I think I e-mailed you when I was in college, telling you how useful the AP Statistics class from NHS was for me! Well, it's funny, because now I'm sitting here working on my Master's degree to become a licensed Reading Specialist. I just started taking one of my summer classes, an EdPsych class all about statistics! I can't help but think my head would be spinning right now if I'd never heard of standard deviation and correlations. I'm still so thankful that I was exposed to stats early on! It has made teaching, assessing, and taking Master's classes so much easier!! --K. B.

Stats is everywhere in college! --K. G.

True or False or...?

- Families that eat meals together tend to have children with less behavioral problems.
- There is a positive correlation between reading ability and foot size.
- Global warming is supported by data.
- Childhood vaccinations cause autism.
- People tend to be more persuasive when they look others directly in the eye and speak loudly and quickly.
- Women make 75 cents to every dollar a man makes when they work the same job.
- Eating egg whites can increase one's life span.
- Teenagers have the most car accidents than any other age group.
- There is an 80% chance that in a room full of 30 people that at least two people will share the same birthday.
- 79.48% of all statistics are made up on the spot.
- People who have CT scans have higher cancer rates.
- Decreasing SAT scores are a good thing.
- The murder rate in Indianapolis is higher than Chicago.
- Adults who take statin drugs have a higher rate of cancer.
- 2/3 of people prefer Bing to Google