

A student with a backpack is walking away from the camera down a brightly lit hallway. On the left, a brick wall features the word 'STATISTICS' in large, raised, light-colored letters. The hallway has white walls, a dark baseboard, and a light-colored floor. The student is wearing a dark jacket and carrying a black backpack with a green bag slung over their shoulder. The hallway leads to a doorway at the end, and there are posters on the wall to the right.

STATISTICS

STATISTICS

AT THE UNIVERSITY OF CALIFORNIA, RIVERSIDE

[STATISTICS.UCR.EDU](https://statistics.ucr.edu)

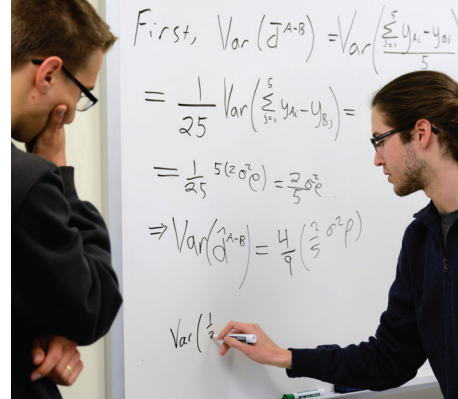
EMPHASIZING APPLICATIONS AND APPLYING THEORY FOR A BETTER WORLD

- The only program in Southern California offering a Ph.D. in Applied Statistics!
- A training ground for next-generation leaders in the field, who are mentored by internationally recognized faculty
- An opportunity to build expertise in the design of experiments, statistical inference, hypothesis testing and data modeling through our singular Statistical Consulting Collaboratory.
- A launching point for careers in academia and industry, from UC Riverside and John Hopkins University to the FDA, Pfizer, Google, Intel, Apple, Microsoft, Johnson & Johnson, Warner Bros., just to name a few.

DEGREES

The Statistics Program awards M.S. and Ph.D. degrees and enables you to diversify your study in a variety of research areas and disciplines:

- Government and Public Policy
- Industry
- Medicine
- Virtually Every Branch of Science



$$\begin{aligned} \text{First, } \text{Var}(\bar{y}^{A-B}) &= \text{Var}\left(\frac{\sum_{i=1}^5 y_{A_i} - y_{B_i}}{5}\right) \\ &= \frac{1}{25} \text{Var}\left(\sum_{i=1}^5 y_{A_i} - y_{B_i}\right) = \\ &= \frac{1}{25} 5(2\sigma^2) = \frac{2}{5}\sigma^2 \\ \Rightarrow \text{Var}(\bar{y}^{A-B}) &= \frac{4}{9}\left(\frac{2}{5}\sigma^2\rho\right) \\ \text{Var}\left(\frac{1}{2}\right) & \end{aligned}$$

FINANCIAL AND GRANT SUPPORT

Most admitted Ph.D. students are financially supported through fellowship, teaching and research assistantships and external fellowships.

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