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NY Since  $y \sim N(\mu, 9)$ , a 95% two-sided  
confidence interval on  $\mu$  is  $\bar{y} \pm z_{\alpha/2} \frac{s}{\sqrt{n}}$   
 $\bar{y} \pm 1.96 \frac{3}{\sqrt{4}}$  If the total  
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edition. pages cm Includes bibliographical references and index. ISBN 978-1-118-14692-7  
1. Experimental design. I. Title. QA279.M66  
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Douglas C. Montgomery, Regents' Professor of Industrial Engineering and Statistics at Arizona State University, received his B.S., M.S., and Ph.D. degrees from Virginia Polytechnic Institute, all in engineering. From 1969 to 1984, he was a faculty member of the School of Industrial & Systems Engineering at the Georgia Institute of Technology; from 1984 to 1988, he was at the University of ...

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