

Using Simulation to Present Complex Topics

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- 1 Introduction: Why Simulate?
- 2 The “Traditional” Statistics Course
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Introduction: Why Simulate?

Why Simulate?

Common Questions:

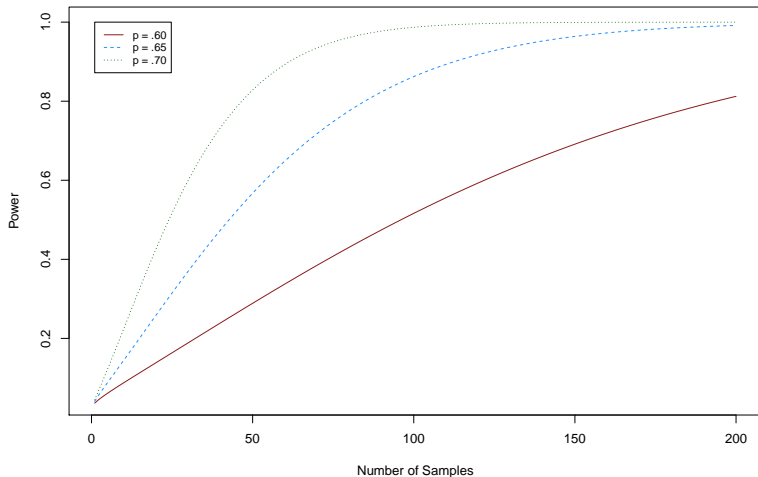
- Is it worthwhile to teach programming?
- Wouldn't writing a simulation be hard?
- Why not just use theorems and proofs and other such nonsense?

Why We Love Math

- Why do we love math?
- What drives students to love math?
- How can we utilize this information to enhance student's learning?

Why We Love Math: GRAPHS

Power versus Number of Samples for Sign Test



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Why We Love Math: FUNctions ### Why We Love Math: It Just

Wish 2

Senior Research Project

The “Traditional” Statistics Course

More Intense Problems

The “Traditional” Statistics Course

Elevating the Statistics Course

Conclusion

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Acknowledgements