Agenda	Midterm	2	review
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- 1. Hypothesis testing
- 2. Simulation
- 3. Normal approximation
- 4. Confidence intervals
- 5. Simple probability
- 6. Conditional probability

Hypothesis testing When do we use it? How do we set up hypotheses? What sort of sampling distribution do we use?

Simulation When do we use it? How does it work?

Normal approximation When do we use it?

```
qnorm(c(.90, .95, .975, .995))
## [1] 1.281552 1.644854 1.959964 2.575829
pnorm(c(-3, -0.5, 1, 2, 3))
## [1] 0.001349898 0.308537539 0.841344746 0.977249868 0.998650102
```

Confidence intervals When do we use them? What sort of sampling distribution do we use?

Simple probability What sorts of questions can it answer?

Conditional probability What sorts of questions can it answer?