edX    HarvardX: STAT110x
**Introduction to Probability**

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## Comparison of STAT110x on edX and Other Versions

STAT110x on edX is inspired by Prof. Joe Blitzstein's residential Harvard course, Stat 110. Prior versions of the on-campus course lectures are available from stat110.net on YouTube and iTunes U. The following list and table outline the similarities and differences between this course and the previous online versions.

Reviewing the materials on stat110.net is not required for this course, but feel free to refer to it as an additional reference.

### Similarities

- **Professor:** Joe Blitzstein

- **Perspective on soul of statistics:** Conditioning

- **Discrete distributions covered:** Bernoulli, Binomial, Geometric, Negative Binomial, Hypergeometric, Poisson

- **Continuous distributions covered:** Uniform, Normal, Exponential, Cauchy

- **Multivariate distributions covered:** Multinomial, Multivariate Normal

- **Cost:** Free access to all content

### Differences

|  | STAT110 on YouTube or iTunes U | STAT110x on edX |
|---|---|---|
| **Additional Continuous distributions covered** | Gamma, Beta | None |
| **Corresponding material in the book (Blitzstein and Hwang)** | most of chapters 1-11 | most of chapters 1-5, 7, 9, 10, 11 |
| **Readings** | none | extensive readings adapted from Blitzstein and Hwang included |
| **Certificate available** | none | ID-Verified Certificate available from edX for $99 USD before the registration deadline |

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| Animations | none | yes, one per unit |
|---|---|---|
| **Lecture capture videos** | yes, about 27 hours total | none |
| **Interactive Simulations** | none | yes, at least one per unit |
| **Discussion Forums** | none | yes (open through the end of the course, then read-only) |
| **Practice problems** | available via stat110.net, ungraded | integrated, with automated grading |
| **Availability outside of the United States** | lecture videos may not be available in countries where YouTube or iTunes cannot be accessed | available in all countries that can access edX.org |