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1. Parametric Estimation and  
> Confidence Intervals

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## 1. Parametric Estimation and Confidence Intervals

### Objectives

At the end of this lecture, you will be able to

- Distinguish between an **estimator** and a **statistic**.
- Compute the **bias**, **variance**, and **quadratic risk** of an estimator.

- Determine whether or not an estimator is **consistent**.
- Construct a confidence interval for an unknown parameter.

## Discussion

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