

**EE 497B**

**Probability and Random Processes  
for Electrical Engineers**

**Lecture 8**

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# Lecture 8 Topics

- Summary of Counting Methods
- Sampling without replacement

# Sampling

- Choosing  $k$  objects from a collection of  $n$  objects is called sampling
- The  $k$  chosen articles form a sample
- How many different samples are possible?