

STAT 400: Lecture 2

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Definition 0.1. *An ordered arrangement of r distinct objects is called a permutation. This would ${}_{26}P_4$*

Definition 0.2. *Sampling with replacement of size r from a set of n objects is n^r .*

Definition 0.3. *The number of combinations of n objects would be like 52 choose 5, meaning from a set of 52 items, how many different hands of size 5 can I get.*