

Probability & Statistics.

L-1

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Subject: Prob Stat / Probability & Stat.

Mid Sem - 30

End Sem - 50

Class test - 10

70

+ 10

→ 'conduct' in the class.

$x = 4$

→ 'x' not a variable.

'Probability model' / 'Probability space'

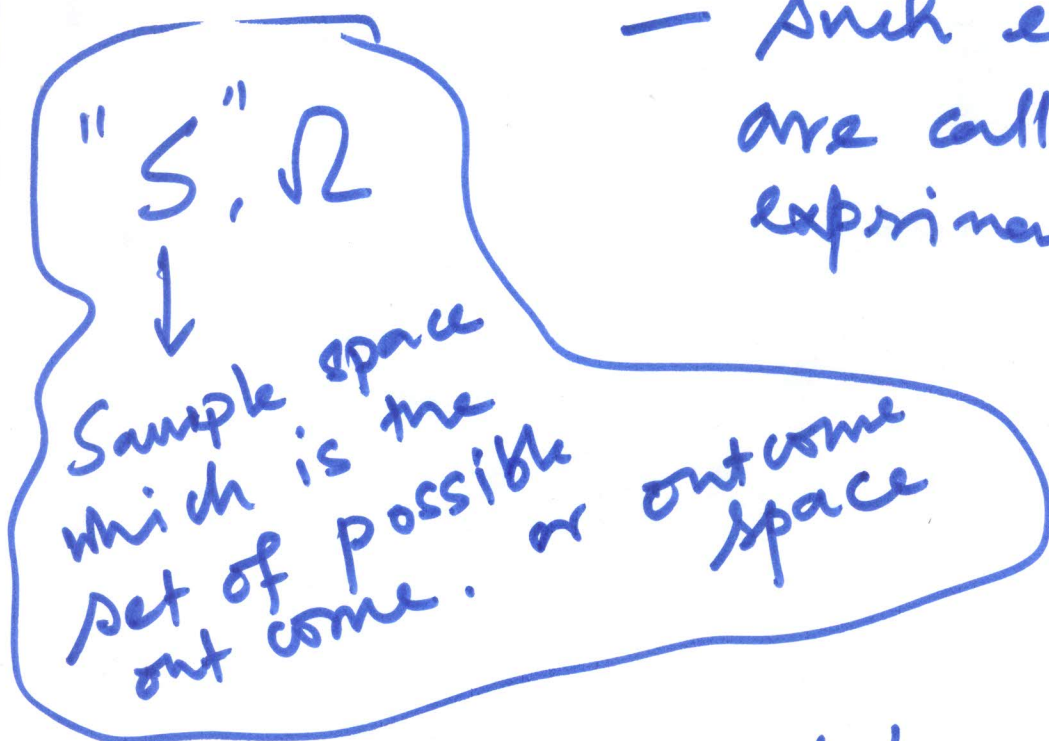
↓
Corresponding to a 'random' experiment.

— (\dot{S}, \dot{A}, P)

or (Ω, \mathcal{A}, P) .

We consider experiments for which the outcomes can not be predicted with certainly

— Such experiments are called random experiments!



Given S , let ' A ' $\subseteq S$

— then ' A ' is called an event.

$$\mathcal{A} = \mathcal{P}(S)$$

= the collection of all subsets of S .

$$\emptyset, S \in \mathcal{A}$$

When a random experiment is performed and the outcome is in ' A ' — The event ' A ' has occurred.

