

Sample space & Set of all possible outcomes.

Example 1 Toss a coin

5= {H,T}

2 roll a dice

S={ 1, 2, 3, 4, 5, 6}

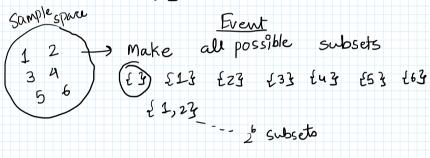
3 Outcomes for VCS410 course & E C C B B A A A+S-

Note: These are finite Sample Spaces.

(a) Experiment: - choosing a point randomly from [0,1]

5=[0,1]

Experiment &



Event: Any subset of a sample space is an event.

Note Consider the following two games andring lo successive coin tosses.

Game 1:- Your will get \$1 for each Head.

Game 2: - You vill get \$1 upto the toss when you get 1st head then you will get \$2 upto when you get , 2nd head d

Sample space in Game 1:

Sample space in Gamez 10Llot1) = 55

