## **Random Variable Intuition**

What is a Random Variable (intuition)

1. Suppose a student gets one of 3 possible grades in a course: A, B, C
2. One way of interpreting this is that there are 3 possible events here.
   1. For eg, to find P(A) we take
3. Another way of looking at this is that there is a random variable G which maps each student to one of the 3 possible values
4. Here, the random variable G is treated more like a function that serves to map a student to a grade
5. And we are interested in where
6. The benefit of this is that we can use multiple random variables on the same set to map to different outcomes 