

# Summary Introduction Statistical Thermodynamics

# Statistics

Class #1 22/09/20

## Concepts

**Random variable:** Is a variable whose value depends of a aleatory event, (Eg. throw a dice or a coin.)

Exist two class of random variables **discrete** and **continuous** :

- **Discrete:** Are an array of finite values.
- **Continuous:** Are an array of infinite values.

### Discrete variables

Throw a dice is an example of aleatory event, and the array of discrete values is  $[1,2,3,4,5,6]$ , if we want to know which are the probability to get the value 5 when throw the dice once, by our logic know that the probability is  $\frac{1}{6}$ , and this is true, but the reason behind of this is

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## Topic X

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also now you can seee **text with colot** **bold text** *italic text* underline text