Random Variable and types:-

* Random Variable x can be of any numerical or categorical or a sentence.

ex:- $x = 24$, $x = $ "Hello"

♦ Types:-

i) Numerical random Variable

- Age
- counts
} example features

♦ It has 2 types

♦ Discrete RV

♦ Continuous RV

* Discrete RV
  * The value will be a whole number
  * ex : $x = 5$
  * no negative or fraction

  ex : x = no. of people in family

* Continuous RV
  * The value can be of any form
  * ex : $x = 0.5, 1/2$
  * ex = salary, rate etc --

ii) categorical RV

  * the random variable may contain words or sentence.

* In a dataset we can able to see all these types

Age	Gender	cgpa
22	male	8.75
②③	female	⑨.⓪①
24	⟨female⟩	8.54

→ Continuous RV

discrete
RV

categorical RV