JYPES:

Frequentist probability:

Rate at which event occurs.

Bayesian probability:

Quantitative level of certainty.

DISTRIBUTIONS:

UNIFORM DIGREBUTION:

$$U(x:a,b):0$$
 $\forall x \notin [a,b]$

$$v(x:a,b):\frac{1}{b-a} \forall x \in [a,b]$$

BERNOULLE DISTREBUTION:

$$P(x=i) = \emptyset$$

$$P(x=0) = i - \emptyset$$

$$P(x=x) : \emptyset^{x} (i-\emptyset)^{1-x}$$

$$E_{x}[x] = \emptyset$$

$$Var_{x}(x) = \emptyset(i-\emptyset)$$

GAUSSIAN DISTRIBUTION:

M(x: M,
$$\nabla^2$$
):
$$\frac{1}{2117^2} e^{(z-m)^2/2\sigma^2}$$

$$N(x, \mu, \xi): \frac{1}{\sqrt{(2\pi)^n \det(\xi)}} e^{-\frac{1}{2}(x-\mu)^T \xi^{-1}(x-\mu)}$$

VARIANCE:

Var
$$|f(x)|^2 = |f(x)| - |f(x)|^2$$

$$= |f(x)|^2 = |f(x)|^2$$

COVARIANCE: