13. Random Process

Stochastic	Process
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X(म) ४१८मा ८५५

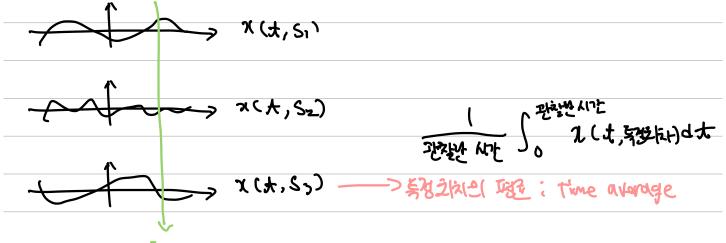
-Somple function $\chi(t, outcomes)$





가격의 Sumple function을 모두 모은 것: ensemble

-ensemble average, time average



EN PLES 1852 : ENSOUPE GROUPS (FIX (& MILE)]

i'd Random Sequence

$$P_{X}(X) = P_{K}(x_{i}) \cdots P_{X}(x_{K}) = \prod_{\lambda=1}^{K} P_{K}(x_{\lambda})$$

$$f_{\underline{X}}(\underline{X}) = f_{\underline{X}}(\underline{x}_1) \cdots f_{\underline{X}}(\underline{x}_K) = \frac{k}{1} f_{\underline{X}}(\underline{x}_{\underline{X}})$$

Bernaulli Process

Knžč (id rundom sequence OIZ, jitz trejo RV or.

$$P_{X_i}(x_i) = \begin{cases} p^{x_i} \left((-p)^{1-x_i} & x_i \in \{0,1\} \\ 0 & 0.\omega. \end{cases}$$

$$b^{x}(\bar{x}) = \frac{1}{N} b_{x^{2}} (-b)_{-x^{2}}$$

K= 11 + · · · + 1 1 0 (2)

$$= P^{k} (1-p)^{n-k} = p^{x_1+\cdots+x_n} (1-p)^{n-(x_1+\cdots+x_n)}$$