Imputation & Sworogate result.

Mean, Regression, [Predict missing points]
LFUII information imputation.

Using all other feature to appute values.

Multiple imputation: - use distribution to predict values.

Follows 3 stebs.

- imputed. However, the imputed values are drawn m times from a distribution rather than Just once. gives (m- datasets)
  - 2. Analysis: At end of this step, there should be m- onalyses.
- 2. pooling -: m results are consolidates into one result by calculating mean, varionce, confidence intervals of the variable.

by i single Imputation does not take kare of uncertaining in imputed values enterior accounts for the uncertainity and range of values that the true values could have been.

reliting it into a distribution and then sampling value using mean end variance of distribution

rimputations. Lecture-39: Surrogate splits
- New Cateribal feature value "missing".  Age  Phore are some reasons, who so in the feature so, It!  Age  Phore are some reasons, who so in the feature so, It!  Noise in the feature seplace those values by "missing".
Surrogate splits  In decision tree, when a split is made, It depends on one variable but what if that variable is missing. Suppose, we want to predict whethers customers will be kept or lost next year.  Order < 6.6 Surrogate split will to to predict actual split:
(Lose) (Keep) - Another decision tree evill be created to predict your spit.  Order < 6.5 orders 7.6.5 + Fake decision tree
- Fragment (specific to trees)  X3 < 5 ?