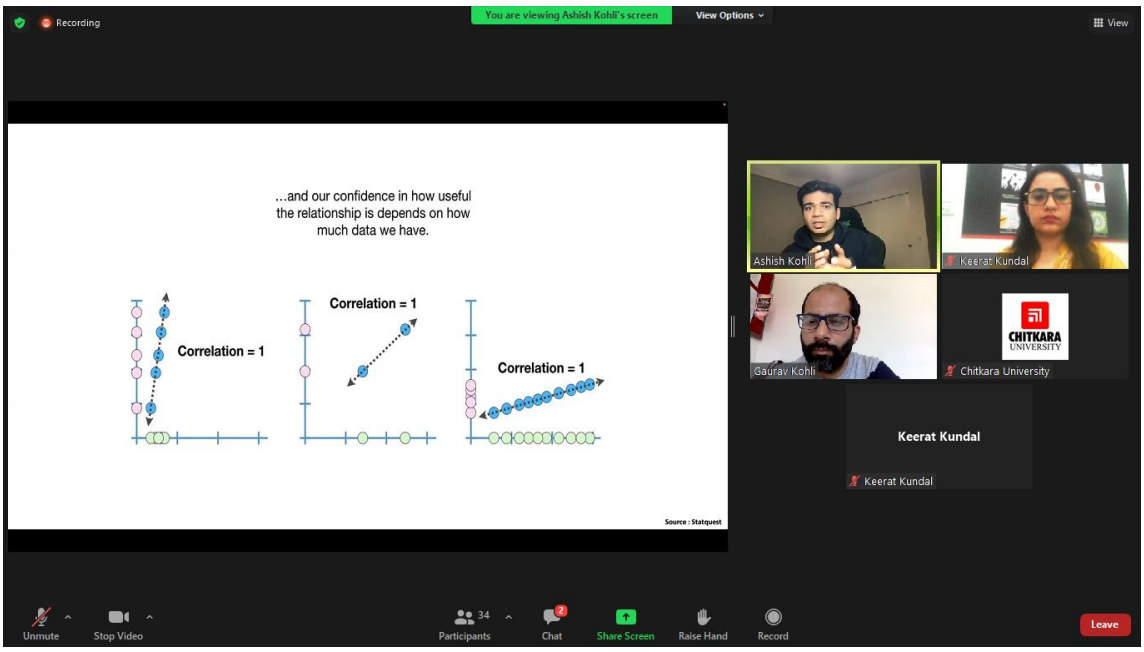
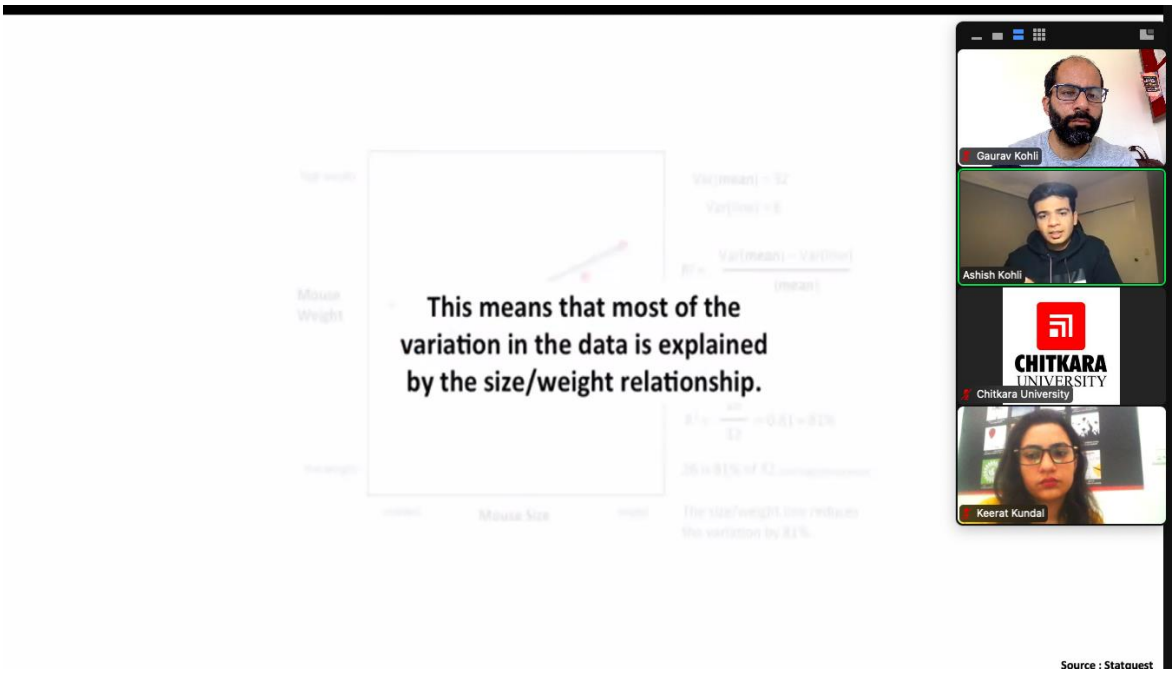
Webinar on Regression Analysis

March 11th, 2022

- **Resource Person:** M. Ashish Kohli, Senior Business Analyst, Amazon, Washington, United States
- **Total No. of Attendees:** 50

Department of Nursing, Chitkara University conducted a webinar on Regression Analysis on 11/03/2022. The webinar focused on regression analysis. In statistical modelling, regression analysis estimates the associations between a dependent variable (the 'outcome' or'response' variable) and one or more independent variables (the 'predictors', 'covariates', 'explanatory variables', or 'features'). In linear regression, one finds the line (or more complex linear combination) that best fits the data according to a mathematical criterion. Ordinary least squares computes the line (or hyperplane) that minimizes sum of squared discrepancies between genuine data and line (or hyperplane). This permits the researcher to estimate the conditional expectation (or population average value) of the dependent variable when the independent factors are presented. Less prevalent versions of regression use other approaches to estimate alternative location parameters (e.g., quantile regression or Necessary Condition Analysis) or the conditional expectation across a broader array of non-linear models (e.g., nonparametric regression).




This means that most of the variation in the data is explained by the size/weight relationship.
Gaurav Kohli
Ashish Kohli
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