

*06 – January – 2022 – Week1*

**Questions Related to Course Topics**

Problems, interview questions and related course topics within the week or sprint term.

#### Please click the links below and discuss/solve Statistics questions on these pages

* [Individuals, variables, and categorical & quantitative data](https://www.khanacademy.org/math/statistics-probability/analyzing-categorical-data/one-categorical-variable/e/individuals-variables-categorical-quantitative-data)
* [Read bar graphs](https://www.khanacademy.org/math/statistics-probability/analyzing-categorical-data/one-categorical-variable/e/reading_bar_charts_2)
* [Two-way relative frequency tables](https://www.khanacademy.org/math/statistics-probability/analyzing-categorical-data/two-way-tables-for-categorical-data/e/reading-two-way-relative-frequency-tables)
* [Interquartile range (IQR)](https://www.khanacademy.org/math/statistics-probability/summarizing-quantitative-data/interquartile-range-iqr/e/calculating-the-interquartile-range--iqr-)
* [Scatter Plot - Positive/Negative Relation](https://www.khanacademy.org/math/probability/scatterplots-a1/creating-interpreting-scatterplots/e/positive-and-negative-linear-correlations-from-scatter-plots)
* [Scatter Plot - Correlation](https://www.khanacademy.org/math/probability/scatterplots-a1/creating-interpreting-scatterplots/e/correlation-coefficient-intuition)

#### What is sampling? Why do we need it?

#### What is an outlier? Explain how you might screen for outliers and what would you do if you found them in your dataset.

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| **Project Discussion** |  |  |

* [Assignment-1 (Data Types, Level of Measurements](https://www.google.com/url?q=https://lms.clarusway.com/mod/assign/view.php?id%3D14231&sa=D&source=calendar&ust=1641716029491303&usg=AOvVaw2XakGfNq0qoqc0u0m8yjiB))
* [Assignment-2 (Graphical Represantation of Data](https://www.google.com/url?q=https://lms.clarusway.com/mod/assign/view.php?id%3D14232&sa=D&source=calendar&ust=1641716029491303&usg=AOvVaw2VpsB_iNJWuw2WJOXFplsN))
* [Assignment-3 (Descriptive Statistics, Correlation)](https://www.google.com/url?q=https://lms.clarusway.com/mod/assign/view.php?id%3D14233&sa=D&source=calendar&ust=1641716076878445&usg=AOvVaw2vowEvglNiR33xS_nrNNu5)