Excel Examples: Analysis Tools

1. {Descriptive Statistics, histogram, and sampling} Consider the sheet **[18-FA.xlsx | Exmp01]** with data on freight transportation (in tons) made by three vehicles (A, B, C).

   1.1. Build a descriptive statistics map

   1.2. Build a histogram considering the following bins:
   -]100, 110]
   -]110, 120]
   -]120, 130]
   -]130, 140]
   -]140,150]

   1.3. Based on the data of the three vehicles, randomly create a 10-value sample

2. {Variance, correlation, and regression analysis} Consider the sheet **[18-FA.xlsx | Exmp02]** with data on the amounts produced and number of defects during a year.

   2.1. Analyse the data variance with 5% significance level.

   2.2. Analyse the data correlation

   2.3. Make a regression analysis. The results should be presented in a new sheet named "Exmp02r3"

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