

APPLIED MATHEMATICS 07/03/2018

- 1) Explain what is the box-plot of a data.
- 2) Prove that if X_1, \dots, X_n are independent and normally distributed, where $X_i, i \in \{1, \dots, n\}$, has distribution $N(\mu_i, \sigma_i^2)$, then also their sum is normally distributed.
- 3) Give the statement of the "Central Limit Theorem".