

Homework №15

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21.1 This is a matched-pairs design (2).

21.2 This is a two independent samples design (3).

21.3 This is a single sample design (1).

21.4 This is a two independent samples design (3).

21.5 We perform a two-sample t test for the hypotheses $H_0 : \mu_1 = \mu_2$ and $H_a : \mu_1 > \mu_2$. We get that $\bar{x}_1 \approx 132.71$ and $\bar{x}_2 \approx 59.67$. We also get that $s_1 \approx 98.44$ and $s_2 \approx 63.04$.