

$$V_{\text{male}} = \frac{\sigma}{\bar{x}} = \frac{156,91}{38,2} = 4,1 \text{ (410\%)}$$

$$V_{\text{female}} = \frac{\sigma}{\bar{x}} = \frac{116,11}{34,976} = 3,32 \text{ (332\%)}$$

Critical limit:  $V_{\text{limit}} = 33\%$ ,

$$V_{\text{male}} > V_{\text{limit}}$$

$$V_{\text{female}} > V_{\text{limit}}$$

**Answer:**

***$V_{\text{male,female}} > 33\%$ , this mean that statistical collection, which is studied is not homogeneous, so results can't be used as reliable***