You are supposed to use in your description of the different runs the following formulas:

1. **Accuracy:** $A = \frac{Correctly_classified_cases}{Total_number_of_cases}$
2. **Root mean square error:** $RMSE = \sqrt{\frac{\sum_{i=1}^{i=N}(1-P(true_class))^2}{N}}$
3. **Variance:** $\sigma^2 = \frac{\sum_{i=1}^{i=N}(x_i-M)^2}{(N-1)} = \frac{1}{N}[\sum_{i=1}^{i=N} {x_i}^2 - \frac{(\sum_{i=1}^{i=N} x_i)^2}{N}]$
4. **Standard deviation:** $D = \sqrt{\sigma^2}$

You only have to consider one of the formulas (3) and (4). It is encouraged that you give graph representations for these measurements.

M represents the mean for multiple runs on the same size of the training set, N gives you the size of the mentioned set. □