Discussion exercise t-test and anova for two groups

1. How does a pooled two sample t-test work? And an ANOVA?
2. What are the assumptions for ANOVA and for a pooled two-sample t-test. What do you notice?

Open the applet at …, check out the first tab.

1. Note the R outputs of the t-test and ANOVA. What do you notice about the p-values? And can you find a relation between the t and F value?
2. Check out the “Comparing t-test and ANOVA” tab. When you look at the graphs and formulas. In your own words: what do these formulas capture?
3. Check out the “t2 = F visualisation” and “Comparing the distributions” tabs. What is your conclusion about a t-test and ANOVA with two groups?
4. Lastly, look at the “Comparing the math” tab. Can you now explain your conclusion from **E**?