**Workshop Week 10**

1. **Function Output as a data object**

Recall the t-test on our simulated data from last week, rolling a die 100 times.

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| **## Initialize variables die = 1:6 N=100  ## Calculations x=sample(die,N, replace=TRUE)**  **t.test(x,mu=3.5)** |

Lets save the output of this test. Use the following commands to understand how this output is structured; **class(), names(), str(), summary(),dim().**

(In this case, some will return “null” as their output)

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| **OUT = t.test(x,mu=3.5)** |

On your submission page, write down the first 5 component names for this data object.

Try accessing this components using the “$” operator.

1. **Outlier Analysis (Correlation)**

Lets us perform the correlation analysis again, this time omitting the 9th case.

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| **cor.test(immer$Y1[-9],immer$Y2[-9])** |

What is the outcome of this procedure ( i.e. what is the p-value?)

Also write down on your submission page the confidence interval.