

MATH 230: Art of Googling

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Getting Started

First off run the following code that creates a vector of 100 random standard normal observations:

```
set.seed(23)
z = rnorm(100)
```

Get to Googling

Using the built-in help functions and Google, figure out how to accomplish each of the tasks below.

1. Calculate the *60th percentile* of \mathbf{z} .
2. Order \mathbf{z} from smallest observation to largest.
3. Calculate the *range* of \mathbf{z} in two different ways.
4. Create a *horizontal boxplot* of \mathbf{z} , colored orange, and with the title “BOOM: FIRST BOXPLOT!!”.
5. Knit your file to pdf, then send it to me as a *password protected pdf* on Slack. Make sure to provide me with the password!