

How To Learn



Introduction to Chromebook Data Science



Data scientists fail *all the time*

A person stands on the peak of a dark, jagged mountain, arms raised in a gesture of triumph or achievement. The background is a vast, hazy mountain range under a sky filled with warm, golden light, suggesting a sunrise or sunset. The overall mood is one of accomplishment and perseverance.


All successful projects failed
along the way to success



The process can be frustrating and hard.



The goal is to answer a question
NOT to memorize

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All four lines of code do the
same thing!



```
mtcars %>% tidyr::gather(key = variable, value = value)
```


```
tidyr::gather(mtcars, key = variable, value = value)
```

```
mtcars %>% tidyr::gather(key = variable)
```

```
mtcars_long <- tidyr::gather(mtcars, key = variable)
```





A person stands on the peak of a dark, rocky mountain, their arms raised in a gesture of triumph or achievement. The background is a vast, hazy mountain range under a sky filled with warm, golden light, suggesting a sunrise or sunset. The overall mood is one of accomplishment and perseverance.

It's important to remember
that failing is hard.