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title: "R Demo"
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```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```

```

## ## Looking at Data through Star Wars!

We can use R to look at all kinds of data. Let's look at Star Wars. First, we can use the View function to get a table of all of the characters and columns with descriptions about them.

```

```{r}
view(starwars)
```

```

## ## Selecting Data

If we want to look at just one column of data, we can use the select function. Let's just look at all of the names of characters. We can use the select function to show us that.

```

```{r}
starwars %>% select (name)
```

```

## ## Filtering Data

To find data with a certain characteristic, we can use the filter function. For this example, we will find all of the Star Wars characters who are from Tatooine!

```

```{r}
filter(starwars, homeworld=='Tatooine')
```

```

## ## Counting Data

{width="50%"}

Maybe we want to find the number of characters who are Droids! The count function will let us get a numerical value for the specific column we are looking at.

```

```{r}
count(starwars, species=='Droid')
```

```

## ## Using a pipe

The pipe function is a very useful tool because it allows you to do multiple functions at once. Let's find the number of characters who are Droids from Tatooine. We will use the filter function to limit our data just to characters from Tatooine. Using just that pool of data, we will count how many are droids.

```

```{r}
starwars %>%
  filter(homeworld== 'Tatooine') %>%
  count(species== 'Droid')
```

```