

# **Generalized Additive Models (GAMs)**

## **CMDA 4654 Project 2**

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# Generalized Additive Models

- Background (brief)
- Math stuff

# When to Use & Why

## Example - iris

```
data("iris")
```

## Example - iris

```
# Set up iris model
```

## Example - iris

```
# iris model graph or whatever
```

## Example - mtcars

```
data("mtcars")
```

## Example - mtcars

```
# Set up mtcars model
```



## Example - mtcars

```
# mtcars model graph or whatever
```

## Example - Health Data

```
# df <- read.csv('health_data.csv')  
# show the data
```

## Example - Health Data

```
# create the model
```

## Example - Health Data

*# show some graphs or whatever*

# Conclusions

- Useful Libraries

# References