

STAT495_Article

Quarto

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see <https://quarto.org>.

Running Code

When you click the **Render** button a document will be generated that includes both content and the output of embedded code. You can embed code like this:

```
1 + 1+1
```

```
[1] 3
```

You can add options to executable code like this

```
[1] 4
```

The `echo: false` option disables the printing of code (only output is displayed).

Abstract

state problem, general conclusions/findings

Introduction

explain the problem

explain the previous literature

explain the following sections briefly

Data

First Steps

explain steps to create overall dataset (fire department data with weather data)

Time Series

explain steps to create the time series data

Classification

explain steps to create classification data

Methods

Time Series

explain time series methods

Classification

explain classification methods

Results

Time Series

explain time series results

Classification

explain classification results

Discussion

discussion of results/findings

discussion of limitations, future work