# Practice Class Test Template

2416963E

#### 1 Introduction

Digialis is a heart mdicine similar to toxins found in a genus of plants commonly known as foxglove. These plans can be poisonous towards humans and pet. As part of digitalis experiments, 144 domstics male and female dult cats had their heart weight in grams (Hwt) and bod weight in kilograms (Bwt) measured.

### 2 Exploratory Data Analysis

Let's take of a lok at our data.

Table 1: Summary statistics on heart weight by sex of 144 adult cats.

Sex	n	Mean	St.Dev	Min	Q1	Median	Q3	Max
F	47	9.2	1.4	6.3	8.35	9.1	10.1	13.0
M	97	11.3	2.5	6.5	9.40	11.4	12.8	20.5

So we have our data in a tidy format with Bwt and Hwt as continuous variables and Sex as a catgorical Let's take a look at the spread of Hwt in each sex.

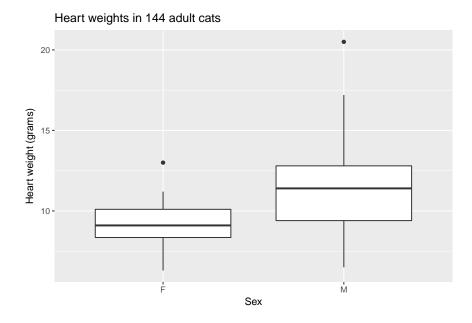


Figure 1: Heart weights by sex.

The male cat population has a larger spread than the female population. The male cat population is slightly left skewed. Each population has one outlier.

## 3 Formal Data Analysis

## 4 Conclusions