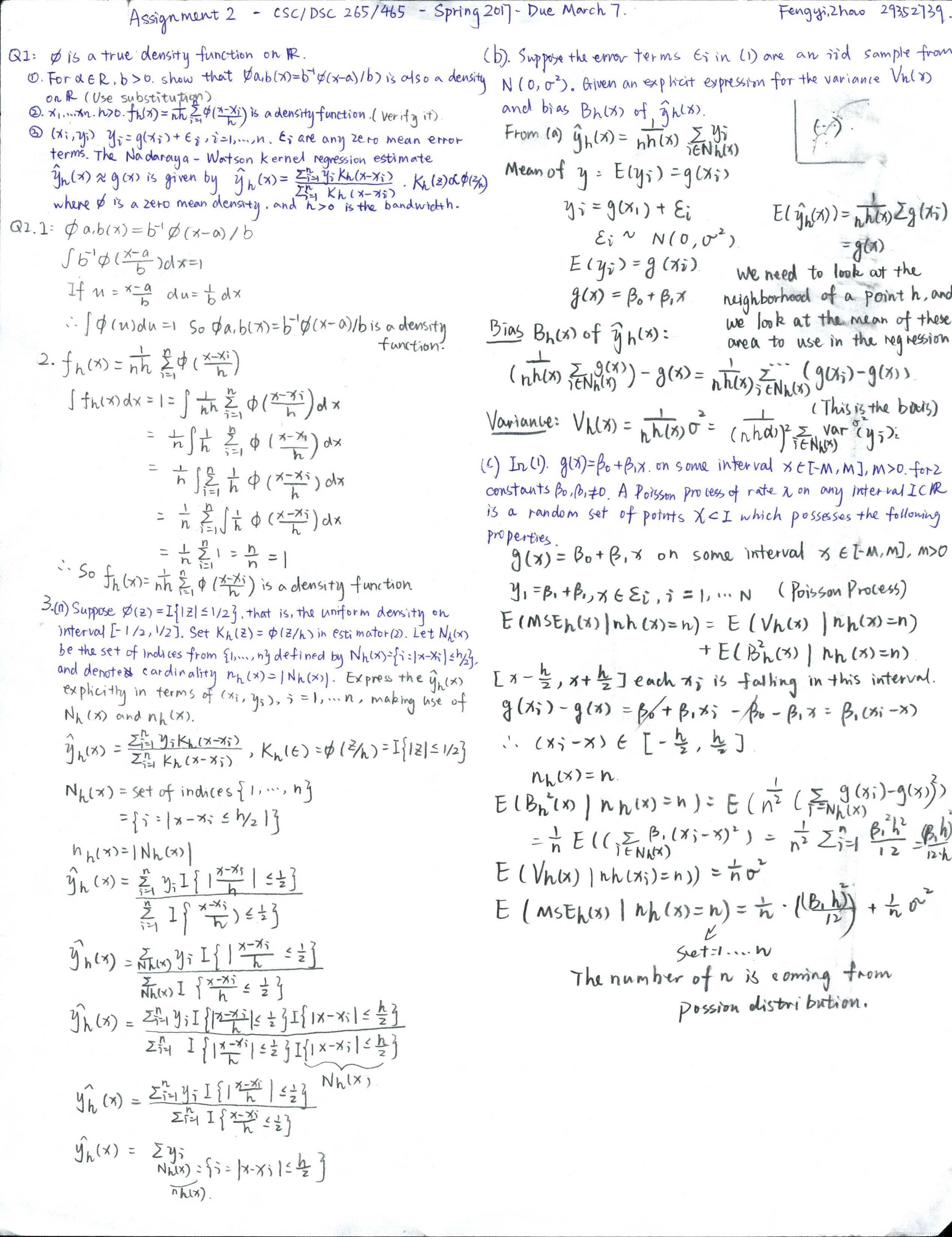
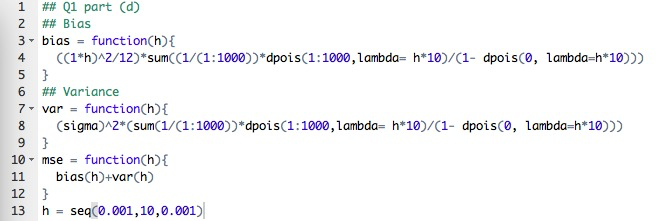
**Assignment 2 – CSC/DCS 265/465 – Spring 2017 – Due March 7**

**Fengyi, Zhao 29352739**

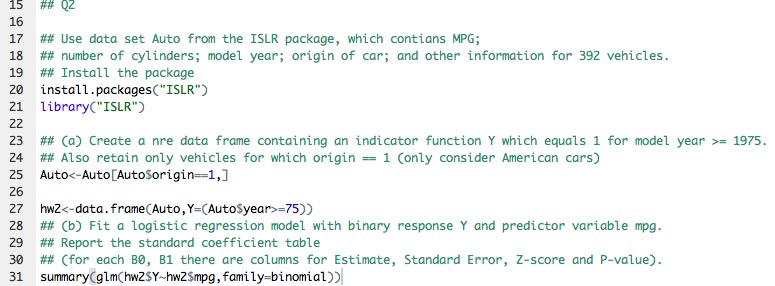
**Q1. The picture includes question 1, 2, 3(a)(b)(c).**

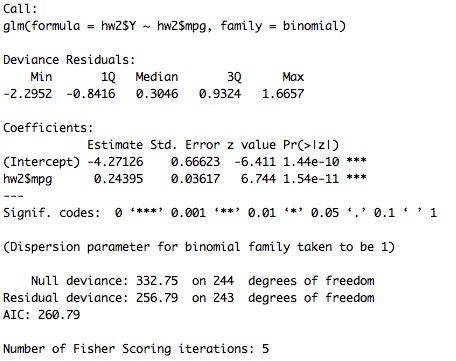
**Q1: 3(d) Coding in R-Studio**



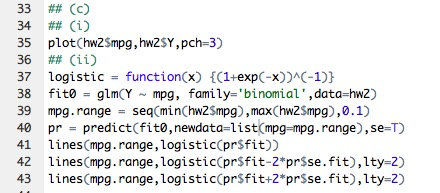
**Q2**

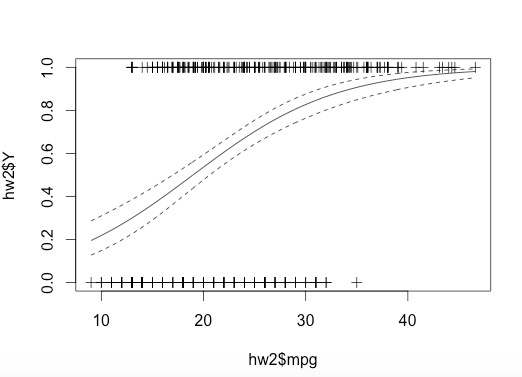
**Part (a) and (b)**





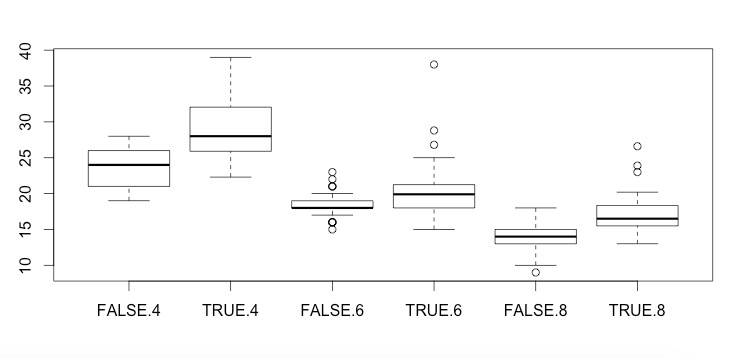
**Part (c) Create a graph**





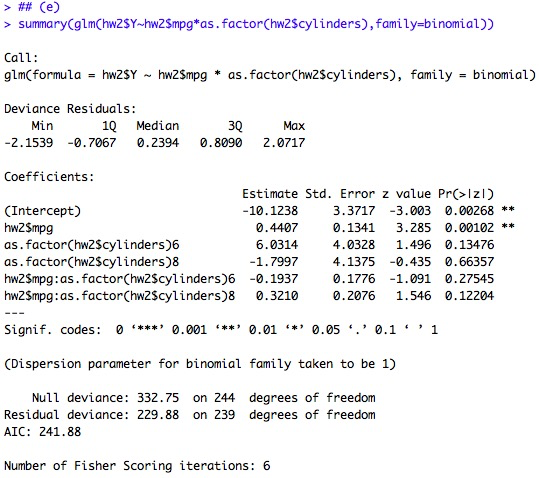
**Part (d) Construct side-by-side boxplots of mpg for each of the six combinations of Y and cylinders. Examining the boxplot, would mpg = 20 be strong evidence that the model year was >= 1975 for a 4 cylinder vehicle? What about an 8 cylinder vehicle?**

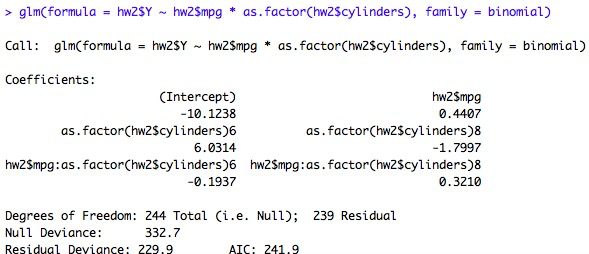
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**Part (e)**

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****

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**Part (f)**

**(See code and run code for graph)**

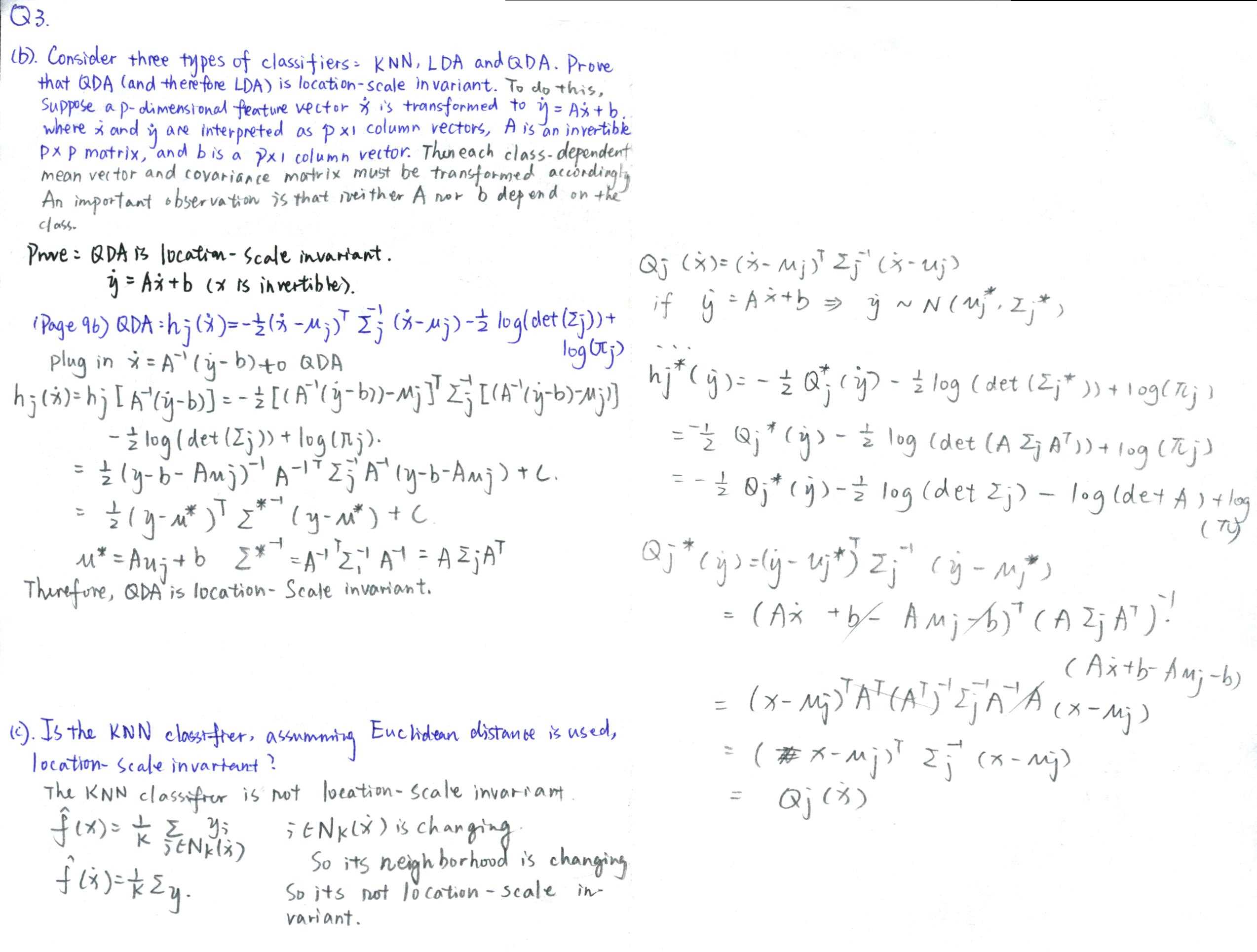
**Q3**

**Part (a)**

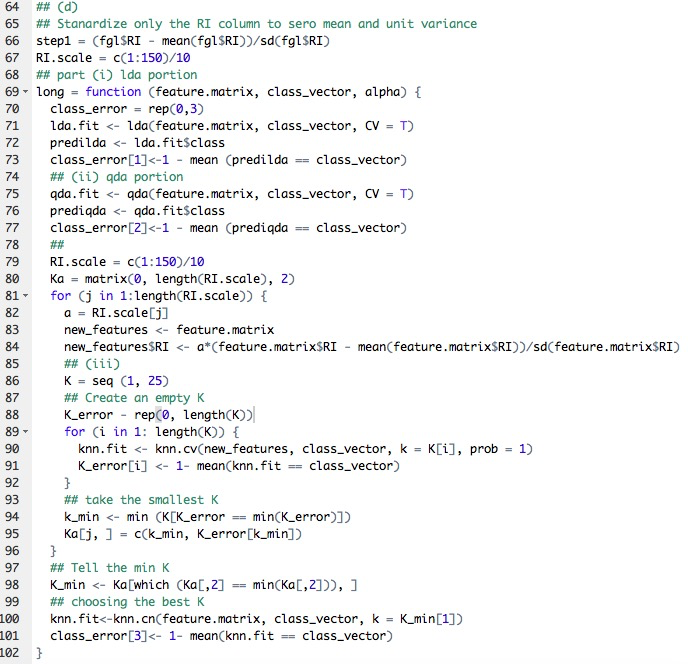
****

**(There are more code)**

**Part (b) and Part (c)**

****

**part (d)**

****

**Part (e)**

**Part (f)**

**Part (g)**

**(See Code)**