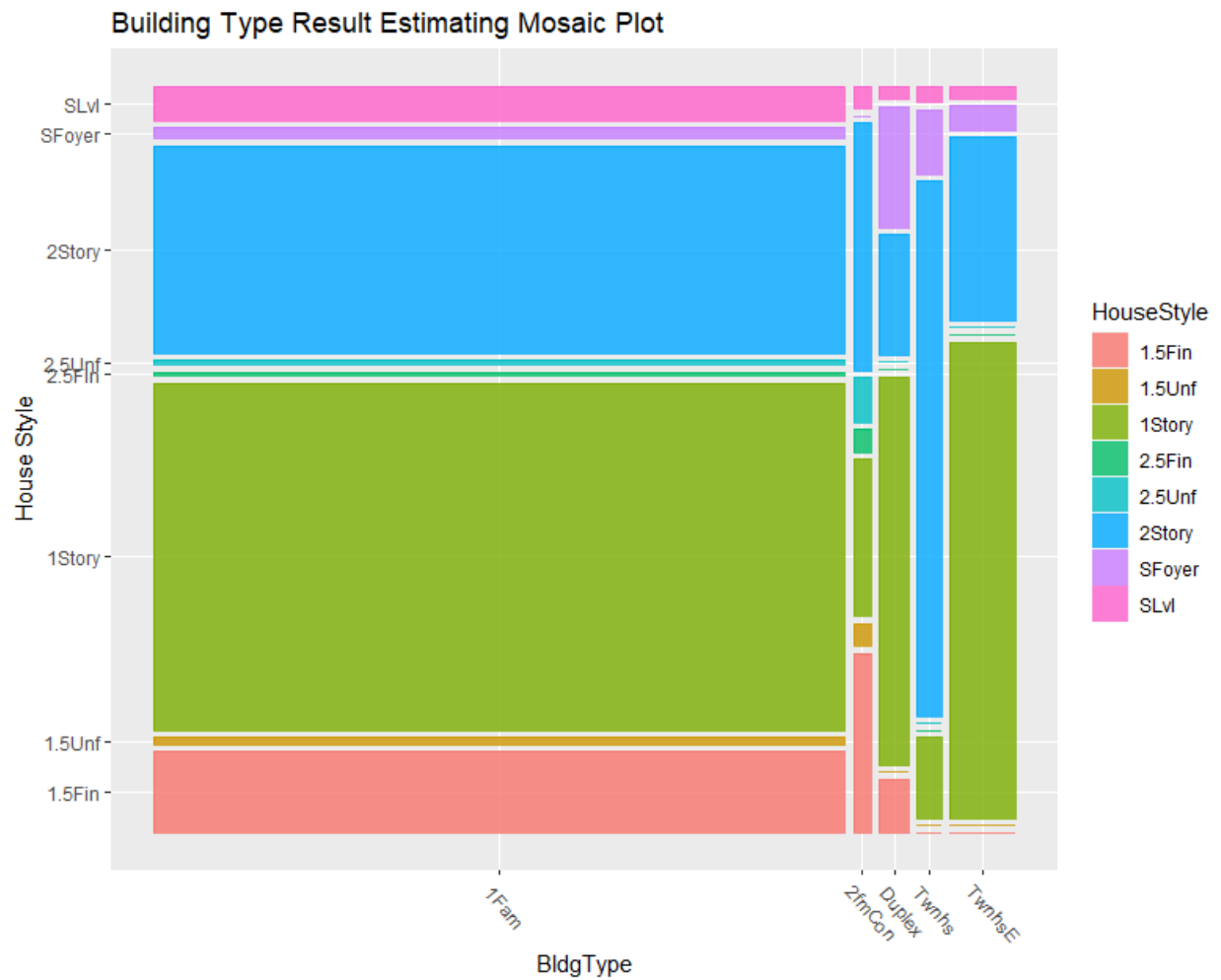


Name: Ashay Kargaonkar

DSC 465 Homework 4

Q1.



I have created a mosaic plot of 2 categorical variables named as Bldgtype, which is building type, and Housestyle. Categorisation of Housestyle and buildingtype is shown in the display below. This dataset is selected for our final project.

```

> data %>% distinct(BldgType)
  BldgType
1    1Fam
2    2fmCon
3    Duplex
4    TwnhsE
5    Twnhs
> data %>% distinct(HouseStyle)
  HouseStyle
1    2Story
2    1Story
3    1.5Fin
4    1.5Unf
5    SFoyer
6    SLvl
7    2.5Unf
8    2.5Fin

```

Below image displays the meaning of the unique values of each variables.

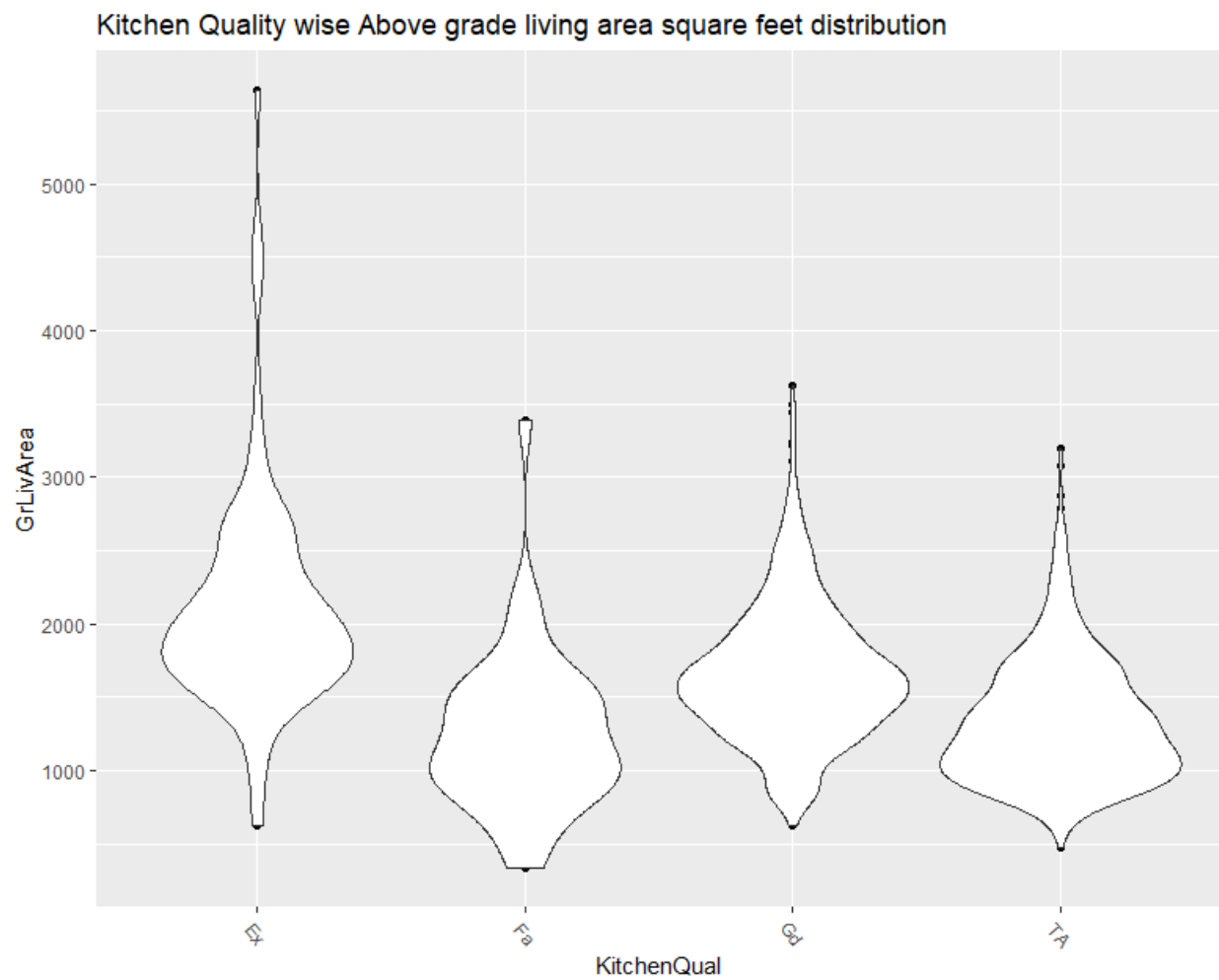
BldgType: Type of dwelling

1Fam	Single-family Detached
2FmCon	Two-family Conversion; originally built as one-family dwelling
Duplx	Duplex
TwnhsE	Townhouse End Unit
TwnhsI	Townhouse Inside Unit

HouseStyle: Style of dwelling

1Story	One story
1.5Fin	One and one-half story: 2nd level finished
1.5Unf	One and one-half story: 2nd level unfinished
2Story	Two story
2.5Fin	Two and one-half story: 2nd level finished
2.5Unf	Two and one-half story: 2nd level unfinished
SFoyer	Split Foyer
SLvl	Split Level

Q2.



KitchenQual: Kitchen quality

Ex	Excellent
Gd	Good
TA	Typical/Average
Fa	Fair
Po	Poor

