# Fill Values:

## ZIP:

* Group by B and BLOCK, fill the missing values by the most frequent zip of the group
* Group by B and STADDR, fill the missing values by the most frequent zip of the group
* Group by B, fill the missing values by the most frequent zip of the group

## STORIES:

* Group by TAXCLASS and ZIP, fill the missing values by the average STORIES of the group. If there are less than 10 records in the group, leave it as it was.
* Group by BLOCK, fill the missing values by the average STORIES of the group. If there are less than 5 records in the group, leave it as it was.
* Group by ZIP, fill the missing values by the average STORIES of the group

FULLVAL, AVLAND, AVTOT:

* Group by ZIP, STORIES, TAXCLASS and the maximum value among LTFRONT，LTDEPTH，BLDFRONT and BLDDEPTH, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by STORIES, TAXCLASS and the maximum value among LTFRONT，LTDEPTH，BLDFRONT and BLDDEPTH, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by TAXCLASS and the maximum value among LTFRONT，LTDEPTH，BLDFRONT and BLDDEPTH, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by STORIES and the maximum value among LTFRONT，LTDEPTH，BLDFRONT and BLDDEPTH, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by TAXCLASS, fill the missing values by the average value of the group.

LTFRONT，LTDEPTH，BLDFRONT, BLDDEPTH:

* Create a new variable, define it as the average value of FULLVAL, AVLAND and AVTOT, and transform it into reasonable bin number.
* Group by ZIP, STORIES, TAXCLASS and the bin number, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by STORIES, TAXCLASS and the bin number, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by TAXCLASS and the bin number, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by STORIES and the bin number, fill the missing values by the average value of the group. If there are less than 10 records in the group, leave as it was
* Group by TAXCLASS, fill the missing values by the average value of the group.