

# Final Paper

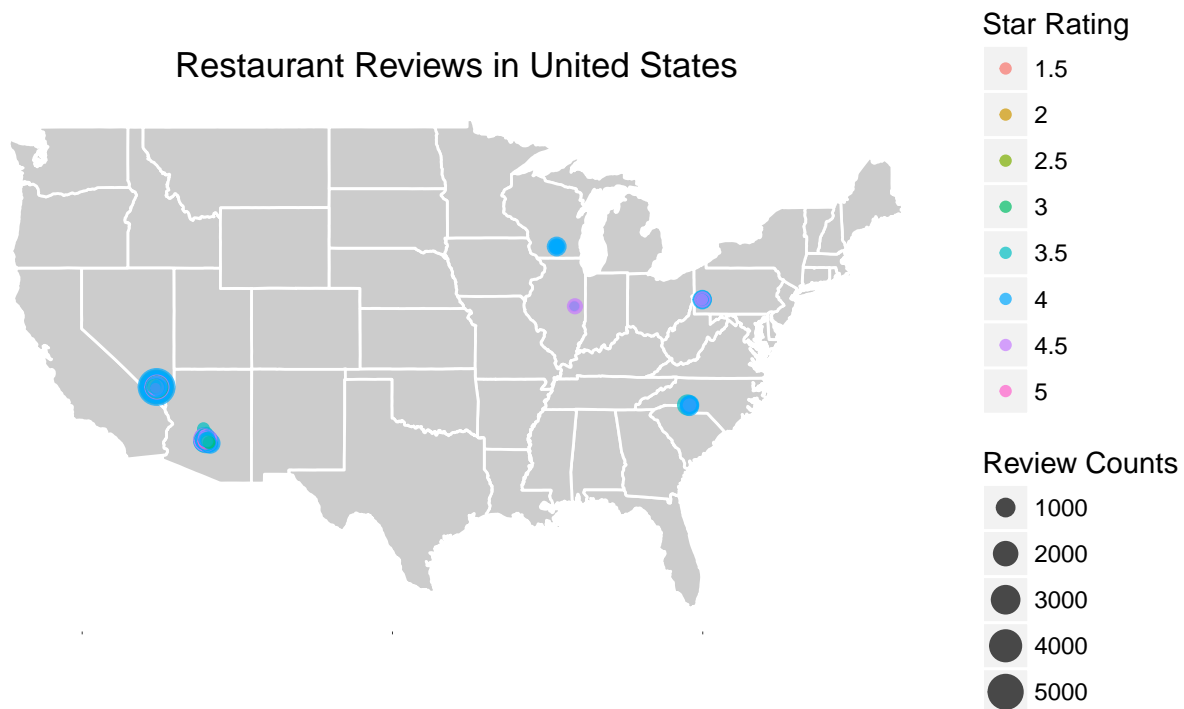
## Introduction

introduction here

## Using Yelp Data

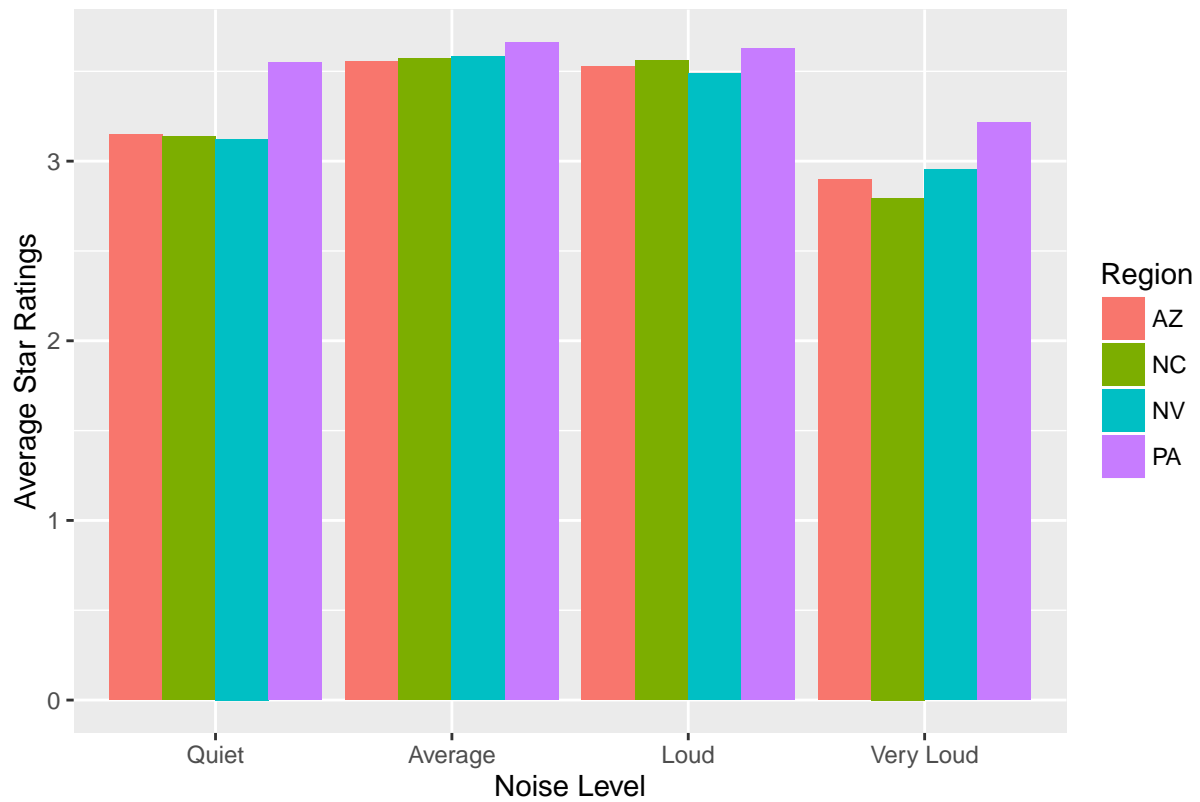
The yelp data set <http://www.sharelatex.com> consists of information about Yelp users, reviews they wrote and business information.

## Review Clusters in the US

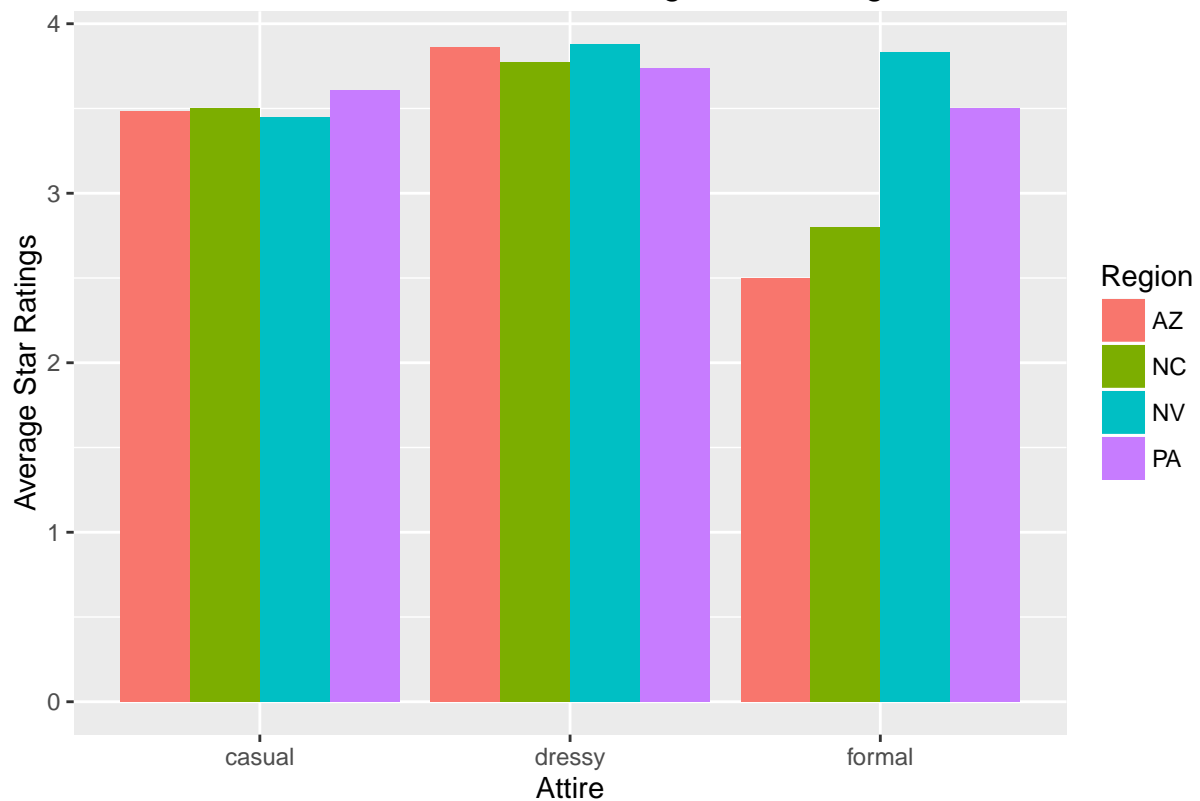


## Looking at attributes of businesses

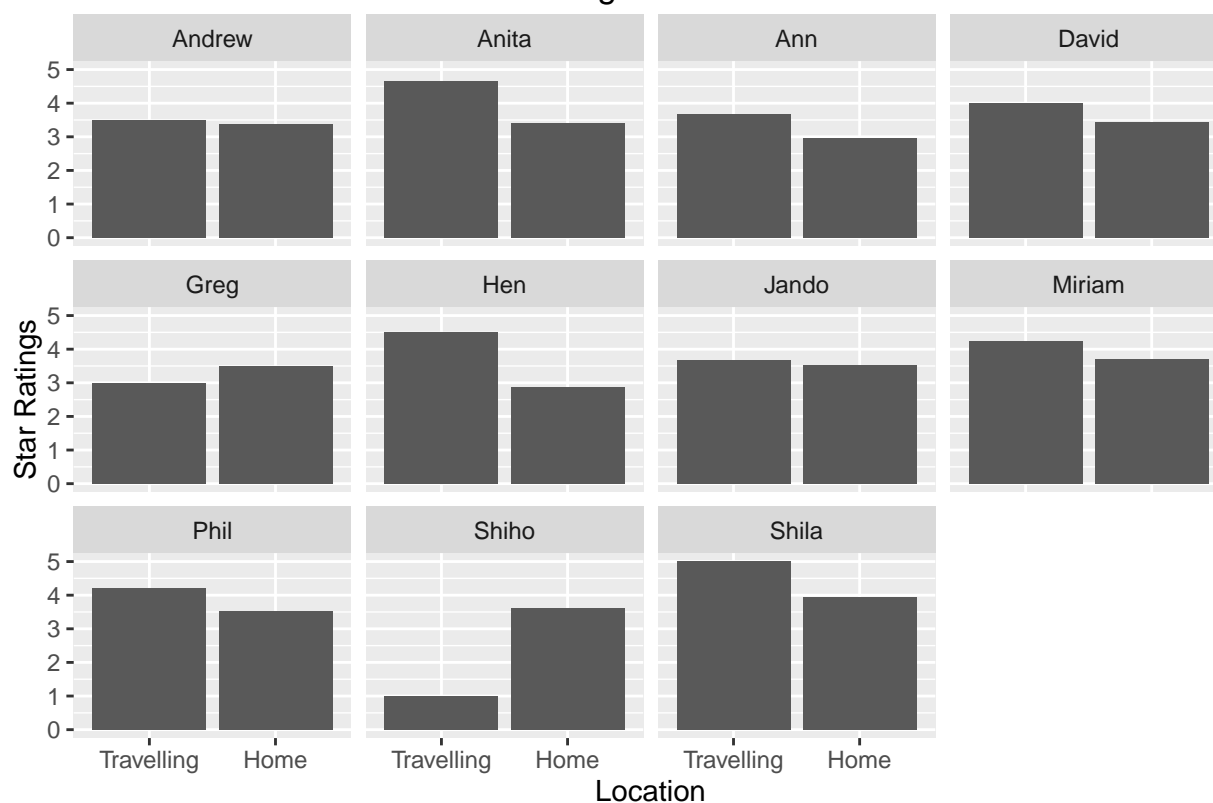
### How Noise Level Influences Average Star Ratings



### How Attire Influences Average Star Ratings



## Reviewers' Behavior Changes When In Unfamiliar Locations



```
## <ggproto object: Class ScaleDiscretePosition, ScaleDiscrete, Scale>
##   aesthetics: x xmin xmax xend
##   break_info: function
##   break_positions: function
##   breaks: waiver
##   call: call
##   clone: function
##   dimension: function
##   drop: TRUE
##   expand: waiver
##   get_breaks: function
##   get_breaks_minor: function
##   get_labels: function
##   get_limits: function
##   guide: none
##   is_discrete: function
##   is_empty: function
##   labels: Travelling Home
##   limits: NULL
##   map: function
##   map_df: function
##   na.value: NA
##   name: waiver
##   palette: function
##   range: <ggproto object: Class RangeDiscrete, Range>
##     range: NULL
##     reset: function
```

```

##      train: function
##      super:  <ggproto object: Class RangeDiscrete, Range>
## range_c: <ggproto object: Class RangeContinuous, Range>
##      range: NULL
##      reset: function
##      train: function
##      super:  <ggproto object: Class RangeContinuous, Range>
## reset: function
## scale_name: position_d
## train: function
## train_df: function
## transform: function
## transform_df: function
## super:  <ggproto object: Class ScaleDiscretePosition, ScaleDiscrete, Scale>

```