

Analysis of Job Listings on Naukri.com

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BIS581 Final Project

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Introduction

The “Naukri.com Job Listings Dataset” comprises a comprehensive collection of job advertisements posted on Naukri.com, one of India’s largest job search portals. This dataset provides a detailed snapshot of the current job market in India, capturing a variety of attributes across diverse job listings. It serves as a valuable resource for analyzing trends in job requirements, employer preferences, and the evolving landscape of employment opportunities across various sectors.

Dataset Description

The `naukri.csv` file contains multiple columns providing a comprehensive look at each job listing. Key columns include:

- **Job Title:** The title of the job posting.
- **Company Name:** The name of the company listing the job.
- **Experience Required:** The experience needed for the job.
- **Location:** The location where the job is based.
- **Skills Required:** Key skills needed for the job.
- **Salary:** The salary offered for the position.
- **StarRating:** Ratings of the Company
- **ReviewCount:** No. of reviews

Load the libraries

```
# Install the required packages  
if (!require("caret")) install.packages("caret", dependencies = TRUE)
```

```
## Loading required package: caret
```

```
## Warning: package 'caret' was built under R version 4.3.3
```

```
## Loading required package: ggplot2
```

```
## Loading required package: lattice
```

```
if (!require("rpart")) install.packages("rpart", dependencies = TRUE)
```

```
## Loading required package: rpart
```

```
## Warning: package 'rpart' was built under R version 4.3.3
```

```
library(tidyverse) # For data manipulation and Visualization
```

```
## Warning: package 'tidyverse' was built under R version 4.3.3
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
```

```
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v lubridate  1.9.3      v tibble    3.2.1
## v purrr      1.0.2      v tidyr     1.3.1
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

```
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()    masks stats::lag()
```

```
## x purrr::lift()   masks caret::lift()
```

```
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(dplyr) # Used to perform data operations
```

```
library(ggplot2) # Used for creating graphs
```

```
library(tidytext) # For text mining and analysis of textual data
```

```
## Warning: package 'tidytext' was built under R version 4.3.3
```

```
library(plotly) # For creating interactive plots and visualizations
```

```
## Warning: package 'plotly' was built under R version 4.3.3
```

```
##
```

```
## Attaching package: 'plotly'
```

```
##
```

```
## The following object is masked from 'package:ggplot2':
```

```
##
```

```
##     last_plot
```

```
##
```

```
## The following object is masked from 'package:stats':
```

```
##
```

```
##     filter
```

```
##
```

```
## The following object is masked from 'package:graphics':
```

```
##
```

```
##     layout
```

```
library(readr) # For efficient data reading and parsing
library(caret) # For modeling and data partitioning
library(rpart) # For decision tree models
library(corrplot) # For visualizing correlation matrices
```

```
## Warning: package 'corrplot' was built under R version 4.3.3
```

```
## corrplot 0.92 loaded
```

```
library(scales) # For formatting scales
```

```
##
## Attaching package: 'scales'
##
## The following object is masked from 'package:purrr':
##
##   discard
##
## The following object is masked from 'package:readr':
##
##   col_factor
```

Step1: Data Loading

Let's start by loading the dataset and performing some initial explorations to understand the structure and content of our data.

```
# Setting the correct path for the dataset
filepath <- "C:/r-workshop/data/raw/naukri.csv"

# Loading the dataset
Jobs <- read_csv(filepath)
```

```
## Rows: 15217 Columns: 19
## -- Column specification -----
## Delimiter: ","
## chr (18): title, title href, subTitle, subTitle href, reviewRatingContainer ...
## dbl (1): starRating
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

Step2: Data Inspection

Data Inspection is used to understand the structure and content of the Jobs data set. It includes commands to view the data, print information, and check its dimensions and structure.

```
# Initial data inspection
view(Jobs) # Used to view the dataset
glimpse(Jobs) # Gives the concise overview of the dataset
```

```
## Rows: 15,217
## Columns: 19
## $ title <chr> "Inbound International Sales-Work From Ho~
## $ 'title href' <chr> "https://www.naukri.com/job-listings-inbo~
## $ subTitle <chr> "Jayas Academy", "Alembic Pharmaceuticals~
## $ 'subTitle href' <chr> "https://www.naukri.com/jayas-academy-job~
## $ 'reviewRatingContainer href' <chr> "https://www.ambitionbox.com/reviews/jaya~
## $ starRating <dbl> 4.0, 4.0, 4.2, 3.2, 4.2, 4.2, NA, 3.2, 3.~
## $ reviewsCount <chr> "8 Reviews", "2354 Reviews", "18119 Revie~
## $ ellipsis <chr> "0-0 Yrs", "0-2 Yrs", "0-2 Yrs", "0-5 Yrs~
## $ 'ellipsis 2' <chr> "3-8 Lacs PA", "3-4.5 Lacs PA", "2.25-2.7~
## $ 'ellipsis 4' <chr> "Inbound International Sales Executive - ~
## $ fleft <chr> "International Sales", "sales", "Technolo~
## $ 'fleft 2' <chr> "Inbound Sales", "Pharma Selling", "Night~
## $ 'fleft 3' <chr> "International Marketing", "sales promoti~
## $ 'fleft 4' <chr> "International Call Center", "marketing",~
## $ 'fleft 5' <chr> "International Business", "pharmaceutical~
## $ 'fleft 6' <chr> "International Voice", "medical", "MS Out~
## $ 'fleft 7' <chr> "International Calling", "promotions", "D~
## $ 'fleft 8' <chr> "International BPO", "Medical Rep", "Inte~
## $ 'fleft 9' <chr> "1 Day Ago", "4 Days Ago", "Today", "6 Da~
```

```
nrow(Jobs) # Gives the No.OfRows in the dataset
```

```
## [1] 15217
```

```
ncol(Jobs) # Gives the No.OfColumns in the dataset
```

```
## [1] 19
```

```
str(Jobs) # Gives the detailed structure of the dataset
```

```
## spc_tbl_ [15,217 x 19] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ title : chr [1:15217] "Inbound International Sales-Work From Home-Fixed Pay+Co
## $ title href : chr [1:15217] "https://www.naukri.com/job-listings-inbound-international
## $ subTitle : chr [1:15217] "Jayas Academy" "Alembic Pharmaceuticals" "Amazon" "BYJ
## $ subTitle href : chr [1:15217] "https://www.naukri.com/jayas-academy-jobs-careers-5892
## $ reviewRatingContainer href: chr [1:15217] "https://www.ambitionbox.com/reviews/jayas-academy-revi
## $ starRating : num [1:15217] 4 4 4.2 3.2 4.2 4.2 NA 3.2 3.7 3.2 ...
## $ reviewsCount : chr [1:15217] "8 Reviews" "2354 Reviews" "18119 Reviews" "12627 Review
## $ ellipsis : chr [1:15217] "0-0 Yrs" "0-2 Yrs" "0-2 Yrs" "0-5 Yrs" ...
## $ ellipsis 2 : chr [1:15217] "3-8 Lacs PA" "3-4.5 Lacs PA" "2.25-2.75 Lacs PA" "Not o
## $ ellipsis 4 : chr [1:15217] "Inbound International Sales Executive - Voice & Email
## $ fleft : chr [1:15217] "International Sales" "sales" "Technology Operations" "I
## $ fleft 2 : chr [1:15217] "Inbound Sales" "Pharma Selling" "Night Shift" "Science
## $ fleft 3 : chr [1:15217] "International Marketing" "sales promotion" "Quality Sta
## $ fleft 4 : chr [1:15217] "International Call Center" "marketing" "Performance Me
## $ fleft 5 : chr [1:15217] "International Business" "pharmaceutical sales" "Window
## $ fleft 6 : chr [1:15217] "International Voice" "medical" "MS Outlook" "Coaching"
## $ fleft 7 : chr [1:15217] "International Calling" "promotions" "Data Security" "E
## $ fleft 8 : chr [1:15217] "International BPO" "Medical Rep" "Internet" "Time" ...
## $ fleft 9 : chr [1:15217] "1 Day Ago" "4 Days Ago" "Today" "6 Days Ago" ...
```

```
## - attr(*, "spec")=
## .. cols(
## ..   title = col_character(),
## ..   'title href' = col_character(),
## ..   subTitle = col_character(),
## ..   'subTitle href' = col_character(),
## ..   'reviewRatingContainer href' = col_character(),
## ..   starRating = col_double(),
## ..   reviewsCount = col_character(),
## ..   ellipsis = col_character(),
## ..   'ellipsis 2' = col_character(),
## ..   'ellipsis 4' = col_character(),
## ..   fleft = col_character(),
## ..   'fleft 2' = col_character(),
## ..   'fleft 3' = col_character(),
## ..   'fleft 4' = col_character(),
## ..   'fleft 5' = col_character(),
## ..   'fleft 6' = col_character(),
## ..   'fleft 7' = col_character(),
## ..   'fleft 8' = col_character(),
## ..   'fleft 9' = col_character()
## .. )
## - attr(*, "problems")=<externalptr>
```

Step3: Data Cleaning

Data cleaning is an essential step in data analysis that involves correcting or removing inaccurate, corrupted, or incomplete data from a dataset.

```
# All the columns in the dataset are assigned to new_column_names
new_column_names <- c("JobTitle",
                      "JobTitleLink",
                      "Company",
                      "CompanyLink",
                      "RatingLink",
                      "CompanyRating",
                      "No.ofReviews",
                      "YearsOfExperience",
                      "LPA",
                      "JobDescription",
                      "Requirement1",
                      "Requirement2",
                      "Requirement3",
                      "Requirement4",
                      "Requirement5",
                      "Requirement6",
                      "Requirement7",
                      "Requirement8",
                      "Requirement9")

# Assign the new column names to the dataset
colnames(Jobs) <- new_column_names
```

Using view command to make sure whether the column names have been changed or not.

```
view(Jobs)
```

```
# Remove the rows with any missing values.
```

```
Jobs <- na.omit(Jobs)
```

```
# Removes duplicate entries.
```

```
Jobs <- Jobs %>% distinct()
```

Converting a factor to character if it's been incorrectly read

```
Jobs$JobTitle <- as.character(Jobs$JobTitle)
```

```
Jobs$CompanyRating <- as.numeric(Jobs$CompanyRating)
```

```
#Company rating is converted in to numeric datatype.
```

Combining few columns that is Requirement 1 to Requirement 9 into 1 requirement by using unite function because all of comes under the skills required.

```
# Combine "Requirement1" to "Requirement9" into one column
```

```
Jobs <- Jobs %>%
```

```
  unite("Requirements", c(Requirement1,  
                           Requirement2,  
                           Requirement3,  
                           Requirement4,  
                           Requirement5,  
                           Requirement6,  
                           Requirement7,  
                           Requirement8,  
                           Requirement9),
```

```
  sep = ", ", na.rm = TRUE, remove = TRUE)
```

Job Title Link is not necessary according to my analysis and I will remove this column from the Jobs dataset

```
Jobs <- Jobs %>%
```

```
  select(-JobTitleLink)
```

Converted the no.of reviews column into a numeric datatype to do further analysis with the data.

```
# Extract the numerical part from the "No.ofReviews" column
```

```
Jobs <- Jobs %>%
```

```
  mutate(No.ofReviews = parse_number(No.ofReviews))
```

```
#Converting character to numeric
```

```
Jobs$No.ofReviews <- as.numeric(Jobs$No.ofReviews)
```

```
# Extract just the numeric part of the range and keep it as a string
```

```
Jobs <- Jobs %>%
```

```
  mutate(YearsOfExperience = str_extract(YearsOfExperience, "\\d+-\\d+"))
```

Company_information object is created and only the required columns are taken from the jobs dataset to perform data visualization.

```

# Selecting required columns that are required for visualizing the data.
Company_information <- Jobs %>%
  select(Company,
         CompanyRating,
         No.ofReviews,
         JobTitle) %>%
  mutate(
    # Clean non-numeric characters from reviews
    No.ofReviews = as.numeric(gsub("\\D", "", No.ofReviews)),

    # Standardize company names
    Company = tolower(Company),

    # Ensure numeric ratings
    CompanyRating = as.numeric(CompanyRating),

    # Standardize job titles
    JobTitle = tolower(JobTitle)
  ) %>%
  na.omit() %>% # Handle missing values
  distinct()

```

Used to manage rare categorical levels in the dataset, particularly within the Company and JobTitle columns of the Company_information dataframe. This is crucial for data cleaning and pre-processing to ensure that the data is well-structured for data analysis.

```

# Handle rare factors by grouping them into 'Other'
count_companies <- table(Company_information$Company)
count_titles <- table(Company_information$JobTitle)

```

The threshold value that determines a “rare” category. Any company name or job title appearing less than 5 times is considered as rare.

```

# Threshold for considering a factor level rare
threshold <- 5

```

Ifelse replaces names of companies and job titles that appear fewer than 5 times (as per the set threshold) with ‘Other’. This helps in reducing the number of levels in these categorical variables, which can be particularly beneficial when preparing data for machine learning models.

```

# Grouping the rare categories and job titles into 'Other'
Company_information$Company <-
  ifelse(count_companies[Company_information$Company]
        < threshold, 'Other', Company_information$Company)
Company_information$JobTitle <-
  ifelse(count_titles[Company_information$JobTitle]
        < threshold, 'Other', Company_information$JobTitle)

```

This ensure that these columns are treated as categorical variables in modeling processes. The factor conversion reaffirms the status as categorical data with a defined set of levels.

```
# Refactorize to ensure consistency
Company_information$Company <- factor(Company_information$Company)
Company_information$JobTitle <- factor(Company_information$JobTitle)
```

Step4: Data Visualization

The histogram is used to visualize the distribution of company ratings using the ggplot2 package.

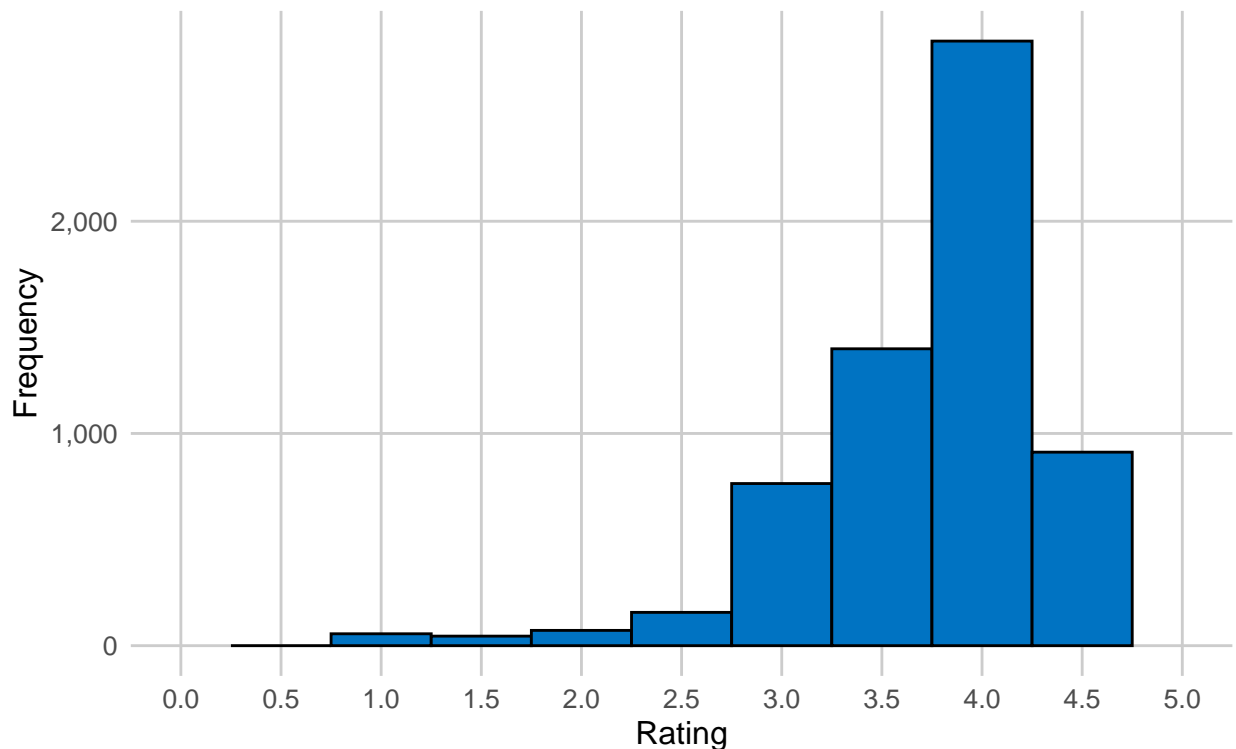
```
# Histogram of distribution of company ratings
rating_dist <- ggplot(Company_information, aes(x = CompanyRating)) +
  geom_histogram(binwidth = 0.5, fill = "#0073C2FF", color = "black") +
  # Format x-axis labels
  scale_x_continuous(breaks = pretty_breaks(n = 10), limits = c(0, 5)) +
  # Format y-axis labels
  scale_y_continuous(labels = comma) +
  labs(title = "Distribution of Company Ratings",
        subtitle = "Histogram showing the frequency distribution of company ratings",
        x = "Rating",
        y = "Frequency") +
  theme_minimal() + # Clean and minimal theme
  theme(
    plot.title = element_text(face = "bold", size = 14), # Bold and larger title
    plot.subtitle = element_text(size = 12), # Subtitle
    axis.title = element_text(size = 12), # Axis titles
    axis.text = element_text(size = 10), # Axis text
    panel.grid.major = element_line(color = "gray80"), # Lighter grid lines
    panel.grid.minor = element_blank(), # No minor grid lines
    legend.position = "none" # Remove legend if not necessary
  )

print(rating_dist)
```

```
## Warning: Removed 2 rows containing missing values ('geom_bar()').
```


Distribution of Company Ratings

Histogram showing the frequency distribution of company ratings



To get the bar chart of top 10 companies by average ratings we need to aggregate data to compute average ratings, followed by plotting these averages.

```
# Assuming 'Company_information' has columns 'Company' and 'avg_rating'
aggregated_data <- Company_information %>%
  group_by(Company) %>%
  summarize(avg_rating = mean(CompanyRating, na.rm = TRUE))

# Select the top 10 companies based on average rating
top_companies <- head(aggregated_data, 10)

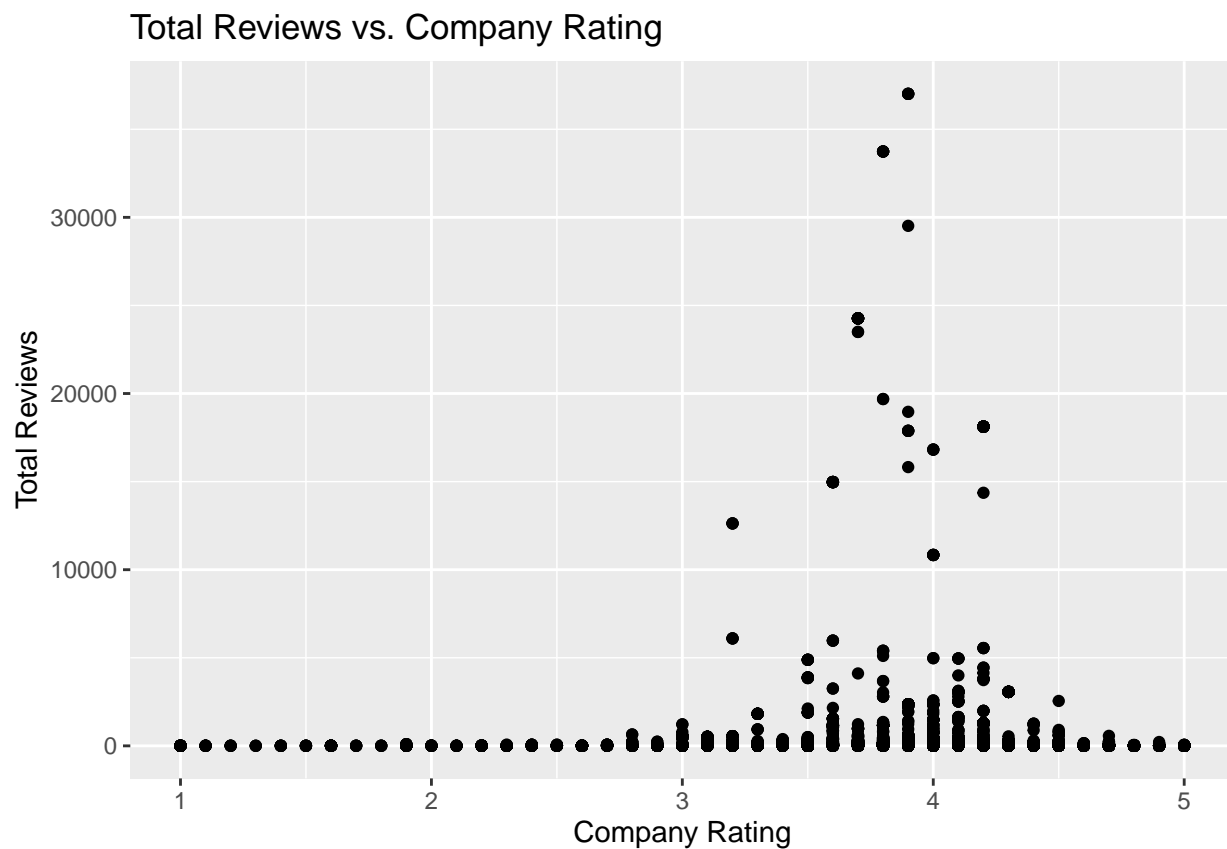
Company_Avg_Rating <- ggplot(top_companies,
  aes(x = reorder(Company,
    avg_rating),
    y = avg_rating)) +
  geom_bar(stat = "identity",
    fill = "skyblue") +
  labs(title = "Top 10 Companies by Average Rating",
    x = "Company",
    y = "Average Rating") +
  theme(axis.text.x = element_text(angle = 90, hjust = 1))
ggplotly(Company_Avg_Rating)
```

Scatter plot is used to visually explore the relationship between the total number of reviews and company ratings.

```
# Scatter plot of total reviews vs. company rating
reviews_vs_rating <- ggplot(Company_information,
                           aes(x = CompanyRating,
                               y = No.ofReviews)) +

  geom_point() +
  labs(title = "Total Reviews vs. Company Rating",
       x = "Company Rating",
       y = "Total Reviews")

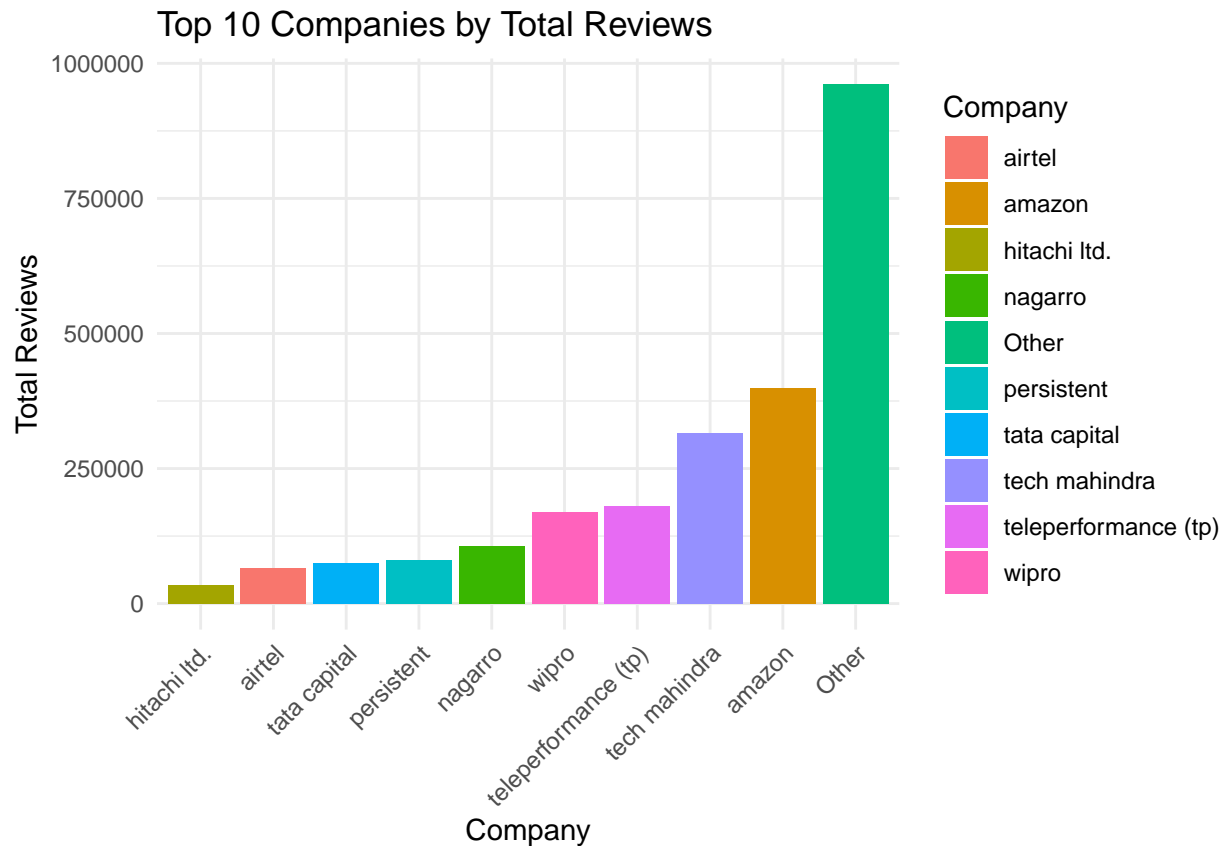
print(reviews_vs_rating)
```



```
top_companies_reviews <- Company_information %>%
  group_by(Company) %>%
  summarize(TotalReviews = sum(No.ofReviews, na.rm = TRUE)) %>%
  arrange(desc(TotalReviews)) %>%
  slice_head(n = 10) # Select the top 10 companies with the most reviews

# Plotting the top 10 companies by total reviews
ggplot(top_companies_reviews, aes(x = reorder(Company, TotalReviews),
                                   y = TotalReviews, fill = Company)) +
  geom_col() + # or geom_bar(stat = "identity") depending on your preference
  labs(title = "Top 10 Companies by Total Reviews",
       x = "Company",
       y = "Total Reviews") +
  theme_minimal() +
```

```
theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

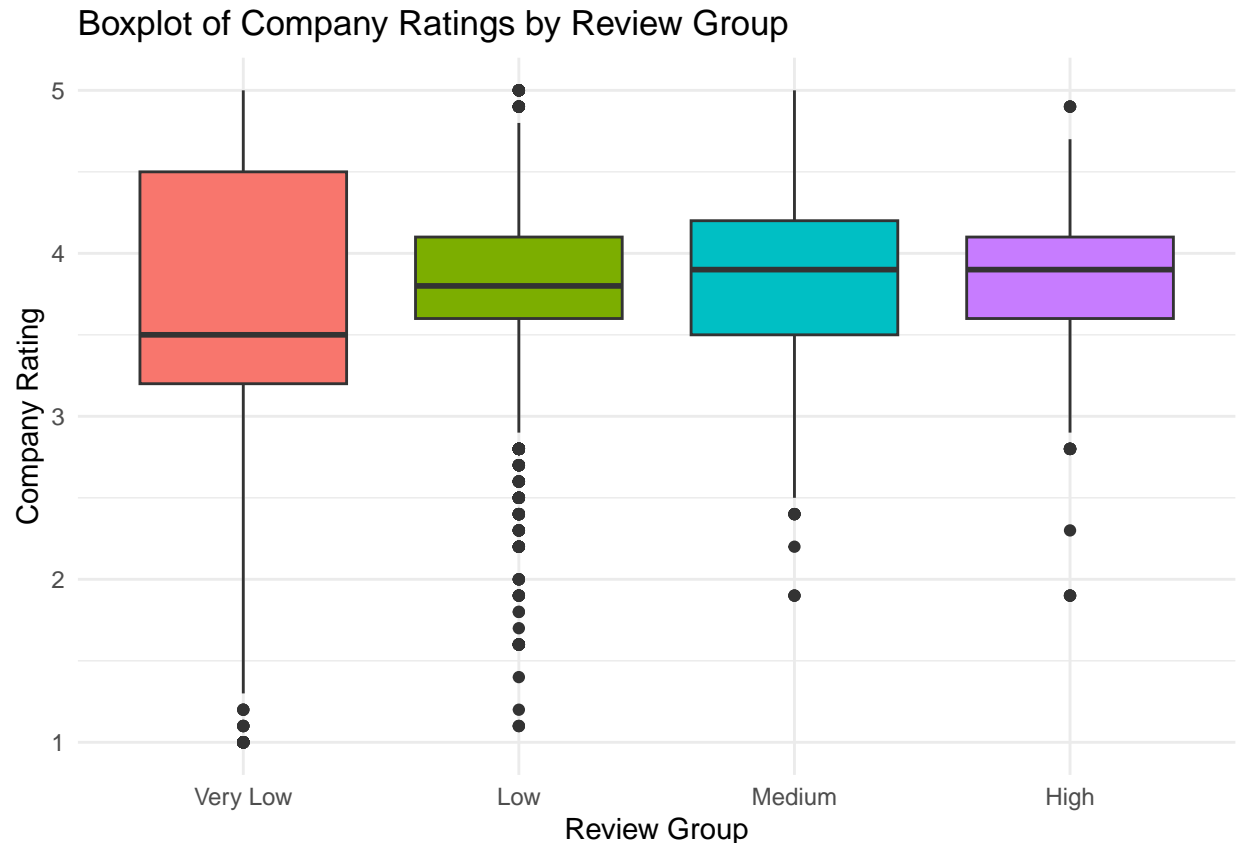


The below boxplot visualizes how company ratings distribute across different review volume groups categorized as “Very Low”, “Low”, “Medium”, and “High”. The `geom_boxplot()` function is used to understand the relationship between the volume of reviews and company ratings.

```
# Review counts are categorized into groups
Company_information$ReviewGroup <- cut(Company_information$No.ofReviews,
                                       breaks = quantile(Company_information$No.ofReviews,
                                                         probs = 0:4 / 4, na.rm = TRUE),
                                       include.lowest = TRUE,
                                       labels = c("Very Low", "Low", "Medium", "High"))

# Boxplot of Company Ratings by Review Groups
boxplot_rating_reviews <- ggplot(Company_information, aes(x = ReviewGroup,
                                                         y = CompanyRating)) +
  geom_boxplot(aes(fill = ReviewGroup)) +
  labs(title = "Boxplot of Company Ratings by Review Group",
       x = "Review Group",
       y = "Company Rating") +
  theme_minimal() +
  theme(legend.position = "none")

print(boxplot_rating_reviews)
```



Step5: Data Modeling

Decision Trees

- This code demonstrates how to split a dataset into training and testing sets using the `createDataPartition()` function from the `caret` package, crucial for training and evaluating machine learning models.
 - Setting a seed ensures reproducibility, allowing consistent results across runs.
 - The function splits the data by arranging it based on `CompanyRating`, maintaining the distribution across sets, typically using 80% of the data for training and 20% for testing.

```
# Split the data into training and testing sets
set.seed(123) # for reproducibility
training_rows <- createDataPartition(Company_information$CompanyRating,
                                     p = 0.8,
                                     list = FALSE)
training_data <- Company_information[training_rows, ]
testing_data <- Company_information[-training_rows, ]
```

This code fits a decision tree model to the `training_data` using the `rpart` function with ANOVA method to predict `CompanyRating`, and then summarizes the model's structure and performance metrics.

```
# Fit a decision tree model
model_tree <- rpart(CompanyRating ~ ., data = training_data, method = "anova")
summary(model_tree)
```

```
## Call:
## rpart(formula = CompanyRating ~ ., data = training_data, method = "anova")
##      n= 5341
##
##              CP nsplit rel error      xerror      xstd
## 1 0.19982896      0 1.0000000 1.0004916 0.03049156
## 2 0.10075524      1 0.8001710 0.8009379 0.02887297
## 3 0.06462027      2 0.6994158 0.7007395 0.02698886
## 4 0.01939639      3 0.6347955 0.6360182 0.02500793
## 5 0.01826671      4 0.6153991 0.6166275 0.02506088
## 6 0.01203223      5 0.5971324 0.5983604 0.02509844
## 7 0.01000000      6 0.5851002 0.5864735 0.02454517
##
## Variable importance
##      Company No.ofReviews      JobTitle
##           96              2              2
##
## Node number 1: 5341 observations,      complexity param=0.199829
## mean=3.806066, MSE=0.4190607
## left son=2 (977 obs) right son=3 (4364 obs)
## Primary splits:
##      Company      splits as RRLRRRLRRRRRRRLRRRRRLRRRRRLRRRLRLLRRRRRRRRRRRRRRRLRLRRRLRL
##      JobTitle      splits as RRRRRRLRRRRRRRRRRRLRRRRRLRRRRRLRRRRRRRLRRRRRLRLRRRLRRRRRLRL
##      No.ofReviews < 11.5 to the left, improve=0.005340913, (0 missing)
##      ReviewGroup splits as LRRR, improve=0.002462143, (0 missing)
## Surrogate splits:
##      No.ofReviews < 2.5 to the left, agree=0.818, adj=0.006, (0 split)
##      JobTitle      splits as RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
##
## Node number 2: 977 observations,      complexity param=0.06462027
## mean=3.194473, MSE=0.2183523
## left son=4 (44 obs) right son=5 (933 obs)
## Primary splits:
##      Company      splits as --R---R-----RR-----R-----R--R--RR-R-----R-R---R-R-
##      JobTitle      splits as RRRR-RRRRRRRRRRRR-RRRRR-RLRRRR-RR-RRRLRRR-RRR---RR-RRRRRRR-RRRRRRRRRL-
##      No.ofReviews < 2.5 to the right, improve=0.03329461, (0 missing)
##      ReviewGroup splits as RLRR, improve=0.02877509, (0 missing)
## Surrogate splits:
##      JobTitle splits as RRRR-RRRRRRRRRRRR-RRRRR-RLRRRR-RR-RRRRRRR-RRR---RR-RRRRRRR-RRRRRRRRRL--R-R
##
## Node number 3: 4364 observations,      complexity param=0.1007552
## mean=3.942988, MSE=0.3615067
## left son=6 (3639 obs) right son=7 (725 obs)
## Primary splits:
##      Company      splits as RL-LLRR-RRLRRRLR--LRLRRR-LRLRRRRRR-RR-LR--L-LLLLLRLRLRLLLRR-L-RRR-R-
##      No.ofReviews < 3.5 to the right, improve=0.016747420, (0 missing)
##      ReviewGroup splits as RLLL, improve=0.010583800, (0 missing)
##      JobTitle      splits as RRRRRRLRRRRRRRRRRRLRRRRRRRRRRRLRRRRRRRRRLRRRRRRRLRLRRRLRRRLRRRRRRRL
## Surrogate splits:
##      JobTitle splits as LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLRLLLLLLLLLLLL
##
## Node number 4: 44 observations
## mean=1.422727, MSE=0.2153926
##
```


This code generates predictions using the decision tree model on the testing data, constructs a dataframe comparing actual to predicted company ratings, and displays the first few rows.

```
# Predict and evaluate the model
predictions <- predict(model_tree, newdata = testing_data)
result <- data.frame(Actual = testing_data$CompanyRating,
                     Predicted = predictions)

# Display the first six rows of the result dataframe to preview the actual vs predicted values
head(result)
```

```
##   Actual Predicted
## 1     4.1  4.035906
## 2     3.4  3.460566
## 3     3.6  3.803451
## 4     4.1  4.035906
## 5     4.2  4.304887
## 6     4.4  3.803451
```

Here I am calculating the Root Mean Square Error (RMSE) of the decision tree model to quantify the prediction error and print the result.

```
# Calculating RMSE
rmse <- sqrt(mean((result$Actual - result$Predicted)^2))
print(paste("Root Mean Square Error:", rmse))
```

```
## [1] "Root Mean Square Error: 0.511421628807658"
```

Linear Regression

Creating and evaluating a linear regression model to predict company ratings based on other variables within the dataset

```
# Fit a linear regression model
linear_model <- lm(CompanyRating ~ ., data = training_data)
summary(linear_model)
```

```
##
## Call:
## lm(formula = CompanyRating ~ ., data = training_data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.81476 -0.00772  0.00000  0.03906  1.71058
##
## Coefficients:
##              Estimate
## (Intercept)    4.758e+00
## Company3pillar -5.480e-01
## Company6degreesit -1.466e+00
## Companyabbott -5.560e-01
```

## Companyaccion labs	-9.486e-01
## Companyaccuknox	-2.761e-01
## Companyacquaia	-2.534e-01
## Companyaffinityx	-1.649e+00
## Companyagilite global solutions	-6.860e-02
## Companyairo digital labs	-2.764e-01
## Companyairtel	-6.101e-01
## Companyakamai	-1.486e-01
## Companyakra tech	2.726e-01
## Companyalcor	-1.972e-01
## Companyalembic pharmaceuticals	-6.555e-01
## Companyaligned studios	1.196e-01
## Companyalorica	-1.535e+00
## Companyalp consulting	-1.148e+00
## Companyaltudo consultancy	-9.000e-01
## Companyamazon	-5.075e-01
## Companyangel one	-8.515e-01
## Companyapisero	-3.478e-01
## Companyappening infotech	2.256e-02
## Companyapps business it solutions	-3.812e-01
## Companyardem data services	-1.356e+00
## Companyarkray healthcare	-8.860e-01
## Companyassistian	-3.848e-01
## Companyassurecare healthtech	-6.999e-01
## Companyastrea it services	1.001e-01
## Companyatc global logistics	-3.254e-01
## Companyatidan technologies	-4.481e-01
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## Companyavasant	-1.857e-01
## Companyaxel	-2.763e-01
## Companybairesdev llc	-1.184e+00
## Companybelwo	-3.778e-01
## Companybeyond cloud consulting	-3.848e-01
## Companybinance	-1.569e+00
## Companyblue chip technologies	-5.778e-01
## Companybright brain	-4.051e-01
## Companybrightinsight	-1.785e+00
## Companybrillon consumer products (formerly known as sc johnson)	-1.300e+00
## Companybrowserstack	-9.480e-01
## Companyburgeon it services pvt ltd	-1.276e+00
## Companybuzzboard inc	-1.089e+00
## Companyca one tech	-5.607e-01
## Companyces information technologies & bps	-8.861e-01
## Companycignex datamatics	-6.695e-01
## Companyciklum	-5.542e-01
## Companycimpres	-5.190e-01
## Companycitrin cooperman	-4.763e-01
## Companycitta solutions	-9.840e-01
## Companyclario	-5.191e-01
## Companyclean energy systems	-4.848e-01
## Companyclifyx technology	-9.516e-01
## Companycloud 9 infosystems	-1.531e-01
## Companyclovity	-9.382e-01
## Companycoders brain pvt ltd	-8.748e-01

## Companycolston	-7.000e-01
## Companyconnecting 2 work	-1.069e-01
## Companyconsulting engineers group (ceg)	-3.488e-01
## Companyconvergence services	-1.400e+00
## Companycovalense global	-6.000e-01
## Companycrave infotech	-1.242e+00
## Companycrossfit gym	3.152e-01
## Companycrowdstrike	-5.000e-01
## Companycrsp connect	-5.052e-01
## Companycrystal hues	-1.200e+00
## Companyctd techs	-1.940e-01
## Companycvent	-1.139e+00
## Companycvm solutions	-1.763e-01
## Companycybage	-6.809e-01
## Companycyberproof	-6.848e-01
## Companydatamatics	-1.053e+00
## Companydatamato technologies	-1.616e+00
## Companydatatobiz	1.578e-01
## Companydavion labs	-1.984e+00
## Companydckap	-6.855e-01
## Companydenave	-7.494e-01
## Companydev gadhvi creations	-3.681e+00
## Companydigitalocean, inc.	-3.763e-01
## Companydimension data	-6.499e-01
## Companyea technologies	-2.478e+00
## Companyefficiently global solutions	-1.747e+00
## Companyefy group	-6.999e-01
## Companyemeritus	-6.480e-01
## Companyenthuziastic	-1.844e+00
## Companyentiovi technologies	-2.603e-01
## Companyespire infolabs	-1.848e+00
## Companyessencea	-2.000e+00
## Companyeventbrite	-2.585e+00
## Companyevertz microsystems, ltd	-6.824e-01
## Companyexsilio consulting india	-6.909e-01
## Companyfcs software solutions	-1.167e+00
## Companygames2win	-1.276e+00
## Companygforce consulting solutions	-4.769e-01
## Companygigmo solutions	-7.000e-01
## Companygiveindia foundation	-6.763e-01
## Companyglobalization partners international (gpi)	-7.848e-01
## Companygo group	2.366e-02
## Companyhighpoints technologies india	2.237e-01
## Companyhighstreet it solutions	-1.076e+00
## Companyhipaas infotech	-2.079e+00
## Companyhitachi ltd.	-5.462e-01
## Companyhitachi solutions	-5.000e-01
## Companyhtc global services	-9.509e-01
## Companyhudson data	-5.832e-01
## Companyhwy haul	-2.107e+00
## Companyhyqoo	-2.005e-01
## Companyicertis	-9.484e-01
## Companyicresset	-4.758e-01
## Companyideatree	3.152e-01

## Companyigt solutions	-1.354e+00
## Companyimpact analytics	-1.331e+00
## Companyinchcape shipping services	-1.260e+00
## Companyinfocepts	-1.417e+00
## Companyinfrd	-1.186e+00
## Companyinnodata isogen	-1.549e+00
## Companyinnovatia	-1.092e+00
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## Companyintone networks	-6.732e-01
## Companyiqvia	-5.578e-01
## Companyisha foundation	-3.847e-01
## Companyjava r&d	-1.548e+00
## Companykeeptruckin	3.501e-01
## Companykich architectural products	-8.732e-01
## Companykratin llc	-7.915e-01
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## Companylarvol	-7.000e-01
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## Companyluxoft	-5.464e-01
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## Companymitratech india	-5.350e-01
## Companymobileprogramming	-1.448e+00
## Companymotive	3.152e-01
## Companymvp1 ventures	-4.646e-01
## Companynagarro	-3.578e-01
## Companynavisite	-1.048e+00
## Companyncr eduservices	-1.148e+00
## Companyneemtree internet	-1.842e+00
## Companynephrocare	-6.490e-01
## Companynest digital	-1.300e+00
## Companynetscribes	-1.650e+00
## Companynetsyscon	3.152e-01
## Companyneweland technologies	3.152e-01
## Companynewt global	-6.093e-01
## Companynexturn	-1.378e+00
## Companyniksun	-1.762e+00
## Companynityo infotech	-1.424e+00
## Companyntt	-8.999e-01
## Companynumentica	-1.848e-01
## Companynuvento systems	-8.003e-01
## Companyoffice beacon	-1.576e+00
## Companyopen door	-7.764e-01
## Companyopen logix	-6.848e-01
## Companyopenstack apps	-1.763e-01

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## Companyoptimism foundation	3.152e-01
## Companyoptimus	-6.480e-01
## Companyorane consulting	-1.500e+00
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## CompanyOther	-8.700e-01
## Companyour food	-1.924e+00
## Companypaytm	-1.032e+00
## Companyperformatix solutions	-1.639e+00
## Companypersistent	-7.497e-01
## Companyphdata	-5.188e-01
## Companyplanetspark	-1.051e+00
## Companypocket fm	-8.774e-01
## Companypragmatic leaders	-3.073e+00
## Companyprakhar software	-1.615e+00
## Companyproarch it solutions	-8.000e-01
## Companyprobeseven	-3.685e+00
## Companyprogrammers io	-2.094e-01
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## Companyprospus consulting	-3.705e+00
## Companyprotera technologies	-4.848e-01
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## Companypurplle.com	-8.483e-01
## Companypurview india consulting and services	-5.026e-01
## Companyqualitest	-1.049e+00
## Companyr1 rcm	-7.551e-01
## Companyrackspace technology	-8.764e-01
## Companyraftlabs	2.152e-01
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## Companyreplicon	-8.573e-01
## Companyrevinfotech pvt. ltd.	-1.386e+00
## Companyria advisory	-3.542e-01
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## Companysd solutions	-5.763e-01
## Companysenrysa technologies	-5.000e-01
## Companysequential tech	-4.763e-01
## Companyshaip ai data (india)	-9.450e-01
## Companysigmond morgan it solutions	-6.814e-01
## Companyskillety	-1.488e+00
## Companysky books pvt. ltd.	1.001e-01
## Companysledding technologies	3.154e-01
## Companysnp technologies	-2.167e+00
## Companysoho dragon	-1.519e-01
## Companysolarsquare energy	-1.339e+00
## Companyspinny	-5.644e-01
## Companyspringworks	-4.796e-02
## Companysprinto hq	3.131e-01
## Companysquadrin, inc	-7.481e-01
## Companysquarepoint technologies india	-3.848e-01
## Companysrs infoway	-7.137e-01
## Companystaffice global	1.072e-01
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## Companystats perform	-2.764e-01
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## Companysynoption	-4.590e-01
## Companysystechcorp inc	-1.434e+00
## Companysystem soft	-6.909e-01
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## Companytata projects	-4.603e-01
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## Companytech mahindra business services (techmbs)	-1.154e+00
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## Companytechno compass consulting	3.152e-01
## Companytechnology excellence	-8.848e-01
## Companyteleperformance (tp)	-1.097e+00
## Companythe smart cube	-8.482e-01
## Companythinkbridge software	-5.480e-01
## Companytrantor	-1.148e+00
## Companytwilio	-7.000e-01
## Companyudacity	-1.676e+00
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## Companyventuredive	3.446e-01
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## Companyvertiv co	-7.399e-01
## Companyvested finance	-2.887e-01
## Companyvirtualware innovations	-1.776e-01
## Companyvsplash techlabs, inc	-1.622e+00
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## Companywesternacher consulting	-2.764e-01
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## Companyyandex india	-4.276e-01
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## JobTitleandroid developer	-4.254e-02
## JobTitleangular developer	-6.738e-02
## JobTitlearea sales manager	1.541e-01
## JobTitleazure data engineer	4.146e-02
## JobTitlebackend developer	-5.022e-01
## JobTitlebusiness analyst	-1.025e-01
## JobTitlebusiness development executive	9.462e-02
## JobTitlebusiness development manager	4.944e-02
## JobTitlecloud architect	-3.584e-01
## JobTitlecontent writer	3.292e-01
## JobTitledata analyst	-7.768e-02
## JobTitledata architect	1.221e-01
## JobTitledata engineer	-2.666e-01
## JobTitledata scientist	-2.226e-02

## JobTitled DevOps engineer	-1.093e-02
## JobTitled dot net core developer	2.311e-02
## JobTitled dot net developer	-2.375e-01
## JobTitle field sales executive	-5.983e-01
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## JobTitle frontend developer	-9.946e-02
## JobTitle full stack developer	-2.197e-01
## JobTitle fullstack developer	-1.820e-01
## JobTitle go lang developer	-7.388e-02
## JobTitle graphic designer	-9.649e-02
## JobTitle ios developer	4.587e-02
## JobTitle java backend developer	1.027e-01
## JobTitle java developer	3.893e-02
## JobTitle java full stack developer	8.826e-02
## JobTitle machine learning engineer	6.795e-02
## JobTitle magento developer	1.184e-01
## JobTitle marketing manager	-7.179e-01
## JobTitle mulesoft developer	-3.582e-02
## JobTitle Other	-7.291e-02
## JobTitle php developer	3.925e-02
## JobTitle power bi developer	-1.789e-02
## JobTitle product manager	6.153e-02
## JobTitle product owner	-6.577e-02
## JobTitle project manager	-1.217e-01
## JobTitle python developer	-1.944e-01
## JobTitle qa automation engineer	-1.817e-01
## JobTitle qa engineer	-1.340e-01
## JobTitle react js developer	-1.111e-01
## JobTitle react native developer	2.615e-01
## JobTitle regional sales manager	1.011e-01
## JobTitle ruby on rails developer	-2.219e-02
## JobTitle sales engineer	1.126e-01
## JobTitle sales executive	-1.327e-01
## JobTitle sales manager	-6.688e-02
## JobTitle sales officer	-5.632e-01
## JobTitle salesforce cpq developer	-5.998e-02
## JobTitle salesforce developer	-2.847e-01
## JobTitle scrum master	-6.149e-01
## JobTitle senior data engineer	-1.671e-01
## JobTitle senior DevOps engineer	-1.863e-01
## JobTitle senior full stack developer	-1.995e-03
## JobTitle senior java developer	-3.016e-01
## JobTitle senior python developer	-7.248e-02
## JobTitle senior software engineer	9.810e-02
## JobTitle servicenow developer	-6.980e-02
## JobTitle site reliability engineer	-2.501e-01
## JobTitle social media manager	-6.060e-02
## JobTitle software developer	1.554e-01
## JobTitle software engineer	-2.126e-01
## JobTitle solution architect	-7.831e-02
## JobTitle sql developer	4.722e-02
## JobTitle technical project manager	1.021e-01
## JobTitle technical writer	5.456e-02
## JobTitle territory sales manager	-4.398e-01

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## JobTitleui/ux designer	5.232e-01
## JobTitleux designer	3.785e-01
## JobTitleweb developer	-3.850e-02
## JobTitlewordpress developer	3.197e-01
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## ReviewGroupMedium	1.501e-02
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##	Std. Error
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## Company6degreesit	3.545e-01
## Companyabbott	3.386e-01
## Companyaccion labs	2.385e-01
## Companyaccuknox	3.110e-01
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## Companyairo digital labs	2.509e-01
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## Companyangel one	2.082e-01
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## Companyassurecare healthtech	3.368e-01
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## Companybairesdev llc	1.812e-01
## Companybelwo	2.602e-01
## Companybeyond cloud consulting	3.065e-01
## Companybinance	2.129e-01
## Companyblue chip technologies	2.602e-01
## Companybright brain	2.901e-01
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## Companyburgeon it services pvt ltd	2.707e-01
## Companybuzzboard inc	2.743e-01

## Companyca one tech	3.533e-01
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## Companyciklum	2.850e-01
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## Companycitrin cooperman	3.384e-01
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## Companyclifyx technology	2.750e-01
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## Companyclovity	2.717e-01
## Companycoders brain pvt ltd	1.804e-01
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## Companyconnecting 2 work	2.618e-01
## Companyconsulting engineers group (ceg)	3.066e-01
## Companyconvergence services	2.600e-01
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## Companycrowdstrike	3.046e-01
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## Companyctd techs	2.849e-01
## Companycvent	2.719e-01
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## Companycybage	2.462e-01
## Companycyberproof	2.510e-01
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## Companydatatobiz	3.128e-01
## Companydavion labs	2.881e-01
## Companydckap	2.952e-01
## Companydenave	3.385e-01
## Companydev gadhvi creations	2.903e-01
## Companydigitalocean, inc.	2.383e-01
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## Companyefy group	3.046e-01
## Companyemeritus	2.709e-01
## Companyenthuziastic	2.206e-01
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## Companyespire infolabs	3.386e-01
## Companyessencea	3.933e-01
## Companyeventbrite	2.707e-01
## Companyevertz microsystems, ltd	2.493e-01
## Companyexsilio consulting india	2.873e-01
## Companyfcs software solutions	2.468e-01
## Companygames2win	2.596e-01
## Companygforce consulting solutions	1.998e-01
## Companygigmo solutions	2.687e-01
## Companygiveindia foundation	3.064e-01
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## Companyhipaas infotech	2.389e-01
## Companyhitachi ltd.	1.919e-01
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## Companyhudson data	3.444e-01
## Companyhwy haul	2.716e-01
## Companyhyqoo	2.463e-01
## Companyicertis	2.709e-01
## Companyicresset	2.041e-01
## Companyideatree	2.856e-01
## Companyigt solutions	2.511e-01
## Companyimpact analytics	2.141e-01
## Companyinchcape shipping services	2.736e-01
## Companyinfocepts	2.452e-01
## Companyinfrd	2.422e-01
## Companyinnodata isogen	2.442e-01
## Companyinnovatia	2.069e-01
## Companyintersources inc	3.502e-01
## Companyintone networks	1.837e-01
## Companyiqvia	3.386e-01
## Companyisha foundation	2.623e-01
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## Companykich architectural products	2.447e-01
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## Companylarvol	2.836e-01
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## Companymarktine	2.013e-01
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## Companymotive	2.856e-01
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## Companyneemtree internet	3.415e-01
## Companynephrocare	2.337e-01
## Companynest digital	2.687e-01
## Companynetscribes	2.709e-01

## Companynetsyscon	2.856e-01
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## Companynewt global	2.348e-01
## Companynexturn	2.149e-01
## Companyniksun	2.717e-01
## Companynityo infotech	2.618e-01
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## Companynumentica	2.856e-01
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## Companyoptimeyes ai	2.855e-01
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## Companyour food	2.579e-01
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## Companypndata	2.891e-01
## Companyplanetspark	2.296e-01
## Companypocket fm	2.953e-01
## Companypragmatic leaders	2.609e-01
## Companyprakhar software	2.180e-01
## Companyproarch it solutions	2.836e-01
## Companyprobaseven	2.856e-01
## Companyprogrammers io	2.869e-01
## Companyprosofos india	2.855e-01
## Companyprospus consulting	2.313e-01
## Companyprotera technologies	3.384e-01
## Companyprotocol	3.384e-01
## Companypurplle.com	2.709e-01
## Companypurview india consulting and services	1.922e-01
## Companyqualitest	3.066e-01
## Companyr1 rcm	3.385e-01
## Companyrackspace technology	2.260e-01
## Companyraftlabs	3.065e-01
## Companyrcg global services	3.384e-01
## Companyreplicon	2.151e-01
## Companyrevinfotech pvt. ltd.	2.126e-01
## Companyria advisory	2.850e-01
## Companyrudder analytics	2.596e-01
## Companysaisystems technology	2.750e-01
## Companysd solutions	2.707e-01
## Companysenrysa technologies	2.417e-01
## Companysequential tech	2.855e-01
## Companyshaip ai data (india)	2.782e-01
## Companysigmond morgan it solutions	2.610e-01
## Companyskillety	1.854e-01

## Companysky books pvt. ltd.	3.046e-01
## Companysledding technologies	2.730e-01
## Companysnp technologies	2.390e-01
## Companysoho dragon	3.993e-01
## Companysolarsquare energy	2.387e-01
## Companyspinny	2.888e-01
## Companyspringworks	3.386e-01
## Companysprinto hq	2.304e-01
## Companysquadrun, inc	3.386e-01
## Companysquarepoint technologies india	2.856e-01
## Companysrs infoway	3.081e-01
## Companystaffice global	2.143e-01
## Companystanley black decker india ltd.	2.148e-01
## Companystats perform	2.596e-01
## Companysumtotal systems	3.066e-01
## Companysws smart working solutions	2.836e-01
## Companysybrant technologies	3.064e-01
## Companysynoption	2.602e-01
## Companysystechcorp inc	2.871e-01
## Companysystem soft	2.306e-01
## Companytata capital	1.926e-01
## Companytata projects	2.859e-01
## Companytech mahindra	2.631e-01
## Companytech mahindra business services (techmbs)	3.066e-01
## Companytechaffinity	2.863e-01
## Companytechno compass consulting	2.180e-01
## Companytechnology excellence	3.065e-01
## Companyteleperformance (tp)	2.545e-01
## Companythe smart cube	2.337e-01
## Companythinkbridge software	3.066e-01
## Companytrantor	3.386e-01
## Companytwilio	3.368e-01
## Companyudacity	2.707e-01
## Companyupwork	2.857e-01
## Companyushankk	2.855e-01
## Companyvaliance solutions	2.729e-01
## Companyvalue vision management consultants	2.049e-01
## Companyvector	2.836e-01
## Companyventurediv	2.526e-01
## Companyveridic solutions	1.941e-01
## Companyvertiv co	2.867e-01
## Companyvested finance	2.453e-01
## Companyvirtualware innovations	2.031e-01
## Companyvsplash techlabs, inc	2.856e-01
## Companywelocalize	2.855e-01
## Companywesternacher consulting	3.064e-01
## Companywipro	3.329e-01
## Companywoollmilchsau technologies	3.064e-01
## Companyworld wide technology	2.703e-01
## Companyworth technology pvt. ltd	3.087e-01
## Companyyandex india	2.722e-01
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## JobTitleandroid developer	3.024e-01

## JobTitleangular developer	2.996e-01
## JobTitlearea sales manager	2.940e-01
## JobTitleazure data engineer	3.326e-01
## JobTitlebackend developer	3.338e-01
## JobTitlebusiness analyst	2.917e-01
## JobTitlebusiness development executive	2.800e-01
## JobTitlebusiness development manager	2.805e-01
## JobTitlecloud architect	3.242e-01
## JobTitlecontent writer	2.945e-01
## JobTitledata analyst	3.229e-01
## JobTitledata architect	3.295e-01
## JobTitledata engineer	2.881e-01
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## JobTitleqa engineer	3.719e-01
## JobTitlereact js developer	3.318e-01
## JobTitlereact native developer	3.219e-01
## JobTitleregional sales manager	3.135e-01
## JobTiteruby on rails developer	3.220e-01
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## JobTitlesales executive	2.946e-01
## JobTitlesales manager	3.153e-01
## JobTitlesales officer	3.870e-01
## JobTitlesalesforce cpq developer	3.669e-01
## JobTitlesalesforce developer	3.019e-01
## JobTitlescrum master	3.448e-01
## JobTitlesenior data engineer	3.166e-01
## JobTitlesenior devops engineer	3.156e-01
## JobTitlesenior full stack developer	3.437e-01

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## JobTitlesenior python developer	3.604e-01
## JobTitlesenior software engineer	2.942e-01
## JobTitleservicenow developer	3.475e-01
## JobTitlesite reliability engineer	3.434e-01
## JobTitlesocial media manager	3.638e-01
## JobTitlesoftware developer	3.012e-01
## JobTitlesoftware engineer	2.893e-01
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## JobTitlesql developer	3.436e-01
## JobTitletechnical project manager	3.094e-01
## JobTitletechnical writer	3.615e-01
## JobTitleterritory sales manager	3.448e-01
## JobTitleui developer	3.645e-01
## JobTitleui/ux designer	3.595e-01
## JobTitleux designer	3.930e-01
## JobTitleweb developer	3.678e-01
## JobTitlewordpress developer	3.151e-01
## ReviewGroupLow	2.799e-02
## ReviewGroupMedium	3.343e-02
## ReviewGroupHigh	3.019e-02
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## (Intercept)	15.060
## Company3pillar	-1.618
## Company6degreesit	-4.136
## Companyabbott	-1.642
## Companyaccion labs	-3.978
## Companyaccuknox	-0.888
## Companyacquaia	-0.746
## Companyaffinityx	-5.773
## Companyagilite global solutions	-0.263
## Companyairo digital labs	-1.102
## Companyairtel	-2.082
## Companyakamai	-0.549
## Companyakra tech	0.942
## Companyalcor	-0.689
## Companyalembic pharmaceuticals	-2.420
## Companyaligned studios	0.440
## Companyalorica	-5.879
## Companyalp consulting	-4.018
## Companyaltudo consultancy	-2.954
## Companyamazon	-2.114
## Companyangel one	-4.090
## Companyapisero	-1.376
## Companyappening infotech	0.079
## Companyapps business it solutions	-1.686
## Companyardem data services	-6.146
## Companyarkray healthcare	-3.258
## Companyassistian	-1.256
## Companyassurecare healthtech	-2.078
## Companyastrea it services	0.353
## Companyatc global logistics	-1.292
## Companyatidan technologies	-1.462
## Companyatyati technologies	-0.917

## Companyavasant	-0.582
## Companyaxel	-1.021
## Companybairesdev llc	-6.534
## Companybelwo	-1.452
## Companybeyond cloud consulting	-1.256
## Companybinance	-7.368
## Companyblue chip technologies	-2.221
## Companybright brain	-1.396
## Companybrightinsight	-6.875
## Companybrillon consumer products (formerly known as sc johnson)	-4.267
## Companybrowserstack	-3.318
## Companyburgeon it services pvt ltd	-4.716
## Companybuzzboard inc	-3.968
## Companyca one tech	-1.587
## Companyces information technologies & bps	-3.898
## Companycignex datamatics	-2.660
## Companyciklum	-1.944
## Companycimpres	-1.810
## Companycitrin cooperman	-1.408
## Companycitta solutions	-3.838
## Companyclario	-1.683
## Companyclean energy systems	-1.432
## Companyclifyx technology	-3.460
## Companycloud 9 infosystems	-0.625
## Companyclovity	-3.453
## Companycoders brain pvt ltd	-4.848
## Companycolston	-2.468
## Companyconnecting 2 work	-0.408
## Companyconsulting engineers group (ceg)	-1.138
## Companyconvergence services	-5.385
## Companycovalense global	-1.970
## Companycrave infotech	-5.067
## Companycrossfit gym	1.104
## Companycrowdstrike	-1.641
## Companycrsp connect	-1.862
## Companycrystal hues	-4.393
## Companyctd techs	-0.681
## Companycvent	-4.189
## Companycvm solutions	-0.521
## Companycybage	-2.765
## Companycyberproof	-2.729
## Companydatamatics	-3.887
## Companydatamato technologies	-6.339
## Companydatatobiz	0.504
## Companydavion labs	-6.886
## Companydckap	-2.322
## Companydenave	-2.214
## Companydev gadhvi creations	-12.681
## Companydigitalocean, inc.	-1.580
## Companydimension data	-3.331
## Companyea technologies	-7.961
## Companyefficiently global solutions	-5.688
## Companyefy group	-2.297
## Companyemeritus	-2.392

## Companyenthuziastic	-8.356
## Companyentiovi technologies	-0.959
## Companyespire infolabs	-5.460
## Companyessencea	-5.085
## Companyeventbrite	-9.547
## Companyevertz microsystems, ltd	-2.738
## Companyexsilio consulting india	-2.405
## Companyfcs software solutions	-4.730
## Companygames2win	-4.917
## Companygforce consulting solutions	-2.386
## Companygigmo solutions	-2.605
## Companygiveindia foundation	-2.207
## Companyglobalization partners international (gpi)	-3.127
## Companygo group	0.060
## Companyhighpoints technologies india	0.783
## Companyhighstreet it solutions	-3.513
## Companyhipaas infotech	-8.701
## Companyhitachi ltd.	-2.847
## Companyhitachi solutions	-1.861
## Companyhtc global services	-3.102
## Companyhudson data	-1.693
## Companyhwy haul	-7.759
## Companyhyqoo	-0.814
## Companyicertis	-3.501
## Companyicresset	-2.331
## Companyideatree	1.104
## Companyigt solutions	-5.392
## Companyimpact analytics	-6.220
## Companyinchcape shipping services	-4.605
## Companyinfocepts	-5.777
## Companyinfrd	-4.899
## Companyinnodata isogen	-6.346
## Companyinnovatia	-5.278
## Companyintersources inc	-2.248
## Companyintone networks	-3.665
## Companyiqvia	-1.647
## Companyisha foundation	-1.467
## Companyjava r&d	-4.572
## Companykeeptruckin	1.136
## Companykich architectural products	-3.568
## Companykratin llc	-2.701
## Companylabvantage solutions	-4.891
## Companylambdatest	0.154
## Companylarvol	-2.468
## Companylevel ai	-0.929
## Companylifelancer	0.492
## Companylocationiq	0.770
## Companyluxoft	-2.866
## Companymajesco	-2.442
## Companymalabar group	-2.393
## Companymapup	-4.937
## Companymarktine	-2.897
## Companymayflower language services	-3.722
## Companymedallia inc	-2.506

## Companymetafic co	-0.333
## Companymiracle corporate solutions	-2.129
## Companymitratech india	-1.873
## Companymobileprogramming	-5.070
## Companymotive	1.104
## Companymvpl ventures	-1.844
## Companynagarro	-1.736
## Companynavisite	-3.096
## Companyncr eduservices	-4.419
## Companyneemtree internet	-5.393
## Companynephrocure	-2.777
## Companynest digital	-4.839
## Companynetscribes	-6.090
## Companynetsyscon	1.104
## Companyneweland technologies	0.931
## Companynewt global	-2.595
## Companynexturn	-6.411
## Companyniksun	-6.484
## Companynityo infotech	-5.439
## Companyntt	-3.173
## Companynumentica	-0.647
## Companynuvento systems	-3.869
## Companyoffice beacon	-7.482
## Companyopen door	-3.314
## Companyopen logix	-2.398
## Companyopenstack apps	-0.575
## Companyoptimeyes ai	-2.019
## Companyoptimism foundation	0.931
## Companyoptimus	-2.653
## Companyorane consulting	-6.489
## Companyorane consulting pvt limited	-6.887
## Companyoswaal books	-1.097
## CompanyOther	-4.890
## Companyour food	-7.459
## Companypaytm	-3.317
## Companyperformatix solutions	-5.711
## Companypersistent	-3.648
## Companyphdata	-1.795
## Companyplanetspark	-4.579
## Companypocket fm	-2.972
## Companypragmatic leaders	-11.780
## Companyprakhar software	-7.407
## Companyproarch it solutions	-2.821
## Companyprobaseven	-12.904
## Companyprogrammers io	-0.730
## Companyprosofos india	-10.775
## Companyprospus consulting	-16.019
## Companyprotera technologies	-1.432
## Companyprotocol	-3.205
## Companypurplle.com	-3.131
## Companypurview india consulting and services	-2.616
## Companyqualitest	-3.422
## Companyr1 rcm	-2.231
## Companyrackspace technology	-3.879

## Companyraftlabs	0.702
## Companyrcg global services	-0.226
## Companyreplicon	-3.985
## Companyrevinfotech pvt. ltd.	-6.522
## Companyria advisory	-1.243
## Companyrudder analytics	-0.294
## Companysaisystems technology	-3.957
## Companysd solutions	-2.129
## Companysenrysa technologies	-2.068
## Companysequential tech	-1.668
## Companyshaip ai data (india)	-3.397
## Companysigmond morgan it solutions	-2.611
## Companyskilley	-8.026
## Companysky books pvt. ltd.	0.329
## Companysledding technologies	1.155
## Companysnp technologies	-9.067
## Companysoho dragon	-0.380
## Companysolarsquare energy	-5.611
## Companyspinny	-1.955
## Companyspringworks	-0.142
## Companysprinto hq	1.359
## Companysquadrun, inc	-2.210
## Companysquarepoint technologies india	-1.348
## Companysrs infoway	-2.317
## Companystaffice global	0.500
## Companystanley black decker india ltd.	-3.541
## Companystats perform	-1.065
## Companysumtotal systems	-1.787
## Companysws smart working solutions	0.353
## Companysybrant technologies	-7.429
## Companysynoption	-1.764
## Companysystechcorp inc	-4.994
## Companysystem soft	-2.996
## Companytata capital	-2.380
## Companytata projects	-1.610
## Companytech mahindra	-3.906
## Companytech mahindra business services (techmbs)	-3.764
## Companytechaffinity	-2.245
## Companytechno compass consulting	1.446
## Companytechnology excellence	-2.887
## Companyteleperformance (tp)	-4.311
## Companythe smart cube	-3.629
## Companythinkbridge software	-1.787
## Companytrantor	-3.391
## Companytwilio	-2.078
## Companyudacity	-6.193
## Companyupwork	-0.519
## Companyushankk	-1.318
## Companyvaliance solutions	0.189
## Companyvalue vision management consultants	-3.314
## Companyvector	-1.763
## Companyventuredive	1.364
## Companyveridic solutions	-9.317
## Companyvertiv co	-2.581

## Companyvested finance	-1.177
## Companyvirtualware innovations	-0.875
## Companyvsplash techlabs, inc	-5.680
## Companywelocalize	-2.369
## Companywesternacher consulting	-0.902
## Companywipro	-2.881
## Companywollmilchsau technologies	0.077
## Companyworld wide technology	-1.936
## Companyworth technology pvt. ltd	-4.787
## Companyyandex india	-1.571
## No.ofReviews	0.625
## JobTitleaccount manager	-0.080
## JobTitleandroid developer	-0.141
## JobTitleangular developer	-0.225
## JobTitlearea sales manager	0.524
## JobTitleazure data engineer	0.125
## JobTitlebackend developer	-1.504
## JobTitlebusiness analyst	-0.351
## JobTitlebusiness development executive	0.338
## JobTitlebusiness development manager	0.176
## JobTitlecloud architect	-1.106
## JobTitlecontent writer	1.118
## JobTitledata analyst	-0.241
## JobTitledata architect	0.371
## JobTitledata engineer	-0.925
## JobTitledata scientist	-0.075
## JobTitledevops engineer	-0.039
## JobTitledot net core developer	0.053
## JobTitledot net developer	-0.791
## JobTitlefield sales executive	-1.802
## JobTitleflutter developer	-1.788
## JobTitlefrontend developer	-0.322
## JobTitlefull stack developer	-0.774
## JobTitlefullstack developer	-0.581
## JobTitlegolang developer	-0.221
## JobTitlegraphic designer	-0.304
## JobTitleios developer	0.146
## JobTitlejava backend developer	0.321
## JobTitlejava developer	0.140
## JobTitlejava full stack developer	0.274
## JobTitlemachine learning engineer	0.216
## JobTitlemagento developer	0.341
## JobTitlemarketing manager	-2.237
## JobTitlemulesoft developer	-0.112
## JobTitleOther	-0.282
## JobTitlephp developer	0.127
## JobTitlepower bi developer	-0.056
## JobTitleproduct manager	0.212
## JobTitleproduct owner	-0.176
## JobTitleproject manager	-0.428
## JobTitlepython developer	-0.669
## JobTitleqa automation engineer	-0.545
## JobTitleqa engineer	-0.360
## JobTitlereact js developer	-0.335

## JobTitlereact native developer	0.812
## JobTitleregional sales manager	0.322
## JobTitleruby on rails developer	-0.069
## JobTitlesales engineer	0.342
## JobTitlesales executive	-0.451
## JobTitlesales manager	-0.212
## JobTitlesales officer	-1.455
## JobTitlesalesforce cpq developer	-0.163
## JobTitlesalesforce developer	-0.943
## JobTitlescrum master	-1.783
## JobTitlesenior data engineer	-0.528
## JobTitlesenior devops engineer	-0.590
## JobTitlesenior full stack developer	-0.006
## JobTitlesenior java developer	-1.019
## JobTitlesenior python developer	-0.201
## JobTitlesenior software engineer	0.333
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## JobTitlesoftware developer	0.516
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## JobTitleux designer	0.963
## JobTitleweb developer	-0.105
## JobTitlewordpress developer	1.014
## ReviewGroupLow	-0.303
## ReviewGroupMedium	0.449
## ReviewGroupHigh	-1.228
##	Pr(> t)
## (Intercept)	< 2e-16 ***
## Company3pillar	0.105632
## Company6degreesit	3.59e-05 ***
## Companyabbott	0.100593
## Companyaccion labs	7.06e-05 ***
## Companyaccuknox	0.374673
## Companyacquaia	0.455625
## Companyaffinityx	8.27e-09 ***
## Companyagilite global solutions	0.792626
## Companyairo digital labs	0.270716
## Companyairtel	0.037374 *
## Companyakamai	0.583316
## Companyakra tech	0.346249
## Companyalcor	0.490975
## Companyalembic pharmaceuticals	0.015562 *
## Companyaligned studios	0.660285
## Companyalorica	4.39e-09 ***
## Companyalp consulting	5.95e-05 ***
## Companyaltudo consultancy	0.003149 **

## Companyamazon	0.034531 *
## Companyangel one	4.38e-05 ***
## Companyapisero	0.168877
## Companyappening infotech	0.937378
## Companyapps business it solutions	0.091898 .
## Companyardem data services	8.55e-10 ***
## Companyarkray healthcare	0.001128 **
## Companyassistian	0.209308
## Companyassurecare healthtech	0.037743 *
## Companyastrea it services	0.724080
## Companyatc global logistics	0.196550
## Companyatidan technologies	0.143936
## Companyatyati technologies	0.359228
## Companyavasant	0.560886
## Companyaxel	0.307351
## Companybairesdev llc	7.03e-11 ***
## Companybelwo	0.146509
## Companybeyond cloud consulting	0.209312
## Companybinance	2.02e-13 ***
## Companyblue chip technologies	0.026402 *
## Companybright brain	0.162676
## Companybrightinsight	6.98e-12 ***
## Companybrillon consumer products (formerly known as sc johnson)	2.02e-05 ***
## Companybrowserstack	0.000914 ***
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## Companybuzzboard inc	7.35e-05 ***
## Companyca one tech	0.112606
## Companyces information technologies & bps	9.84e-05 ***
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## Companycimpres	0.070338 .
## Companycitrin cooperman	0.159291
## Companycitta solutions	0.000125 ***
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## Companyclean energy systems	0.152070
## Companyclifyx technology	0.000545 ***
## Companycloud 9 infosystems	0.532199
## Companyclovity	0.000559 ***
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## Companycolston	0.013610 *
## Companyconnecting 2 work	0.683190
## Companyconsulting engineers group (ceg)	0.255352
## Companyconvergence services	7.56e-08 ***
## Companycovalense global	0.048950 *
## Companycrave infotech	4.19e-07 ***
## Companycrossfit gym	0.269736
## Companycrowdstrike	0.100825
## Companycrsp connect	0.062694 .
## Companycrystal hues	1.14e-05 ***
## Companyctd techs	0.495945
## Companycvent	2.85e-05 ***
## Companycvm solutions	0.602310
## Companycybage	0.005707 **
## Companycyberproof	0.006382 **

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## Companydatamato technologies	2.52e-10	***
## Companydatatobiz	0.614029	
## Companydavion labs	6.44e-12	***
## Companydckap	0.020272	*
## Companydenave	0.026894	*
## Companydev gadhvi creations	< 2e-16	***
## Companydigitalocean, inc.	0.114281	
## Companydimension data	0.000871	***
## Companyea technologies	2.10e-15	***
## Companyefficiently global solutions	1.35e-08	***
## Companyefy group	0.021633	*
## Companyemeritus	0.016786	*
## Companyenthuziastic	< 2e-16	***
## Companyentiovi technologies	0.337627	
## Companyespire infolabs	5.00e-08	***
## Companyessencea	3.80e-07	***
## Companyeventbrite	< 2e-16	***
## Companyevertz microsystems, ltd	0.006208	**
## Companyexsilio consulting india	0.016229	*
## Companyfcs software solutions	2.31e-06	***
## Companygames2win	9.05e-07	***
## Companygforce consulting solutions	0.017063	*
## Companygigmo solutions	0.009202	**
## Companygiveindia foundation	0.027336	*
## Companyglobalization partners international (gpi)	0.001776	**
## Companygo group	0.952193	
## Companyhighpoints technologies india	0.433429	
## Companyhighstreet it solutions	0.000447	***
## Companyhipaas infotech	< 2e-16	***
## Companyhitachi ltd.	0.004432	**
## Companyhitachi solutions	0.062781	.
## Companyhtc global services	0.001932	**
## Companyhudson data	0.090479	.
## Companyhwy haul	1.03e-14	***
## Companyhyqoo	0.415599	
## Companyicertis	0.000468	***
## Companyicresset	0.019801	*
## Companyideatree	0.269731	
## Companyigt solutions	7.30e-08	***
## Companyimpact analytics	5.39e-10	***
## Companyinchcape shipping services	4.24e-06	***
## Companyinfocepts	8.05e-09	***
## Companyinfrd	9.92e-07	***
## Companyinnodata isogen	2.41e-10	***
## Companyinnovatia	1.36e-07	***
## Companyintersources inc	0.024647	*
## Companyintone networks	0.000250	***
## Companyiqvia	0.099563	.
## Companyisha foundation	0.142465	
## Companyjava r&d	4.95e-06	***
## Companykeeptruckin	0.256105	
## Companykich architectural products	0.000363	***
## Companykratin llc	0.006942	**

## Companylabvantage solutions	1.03e-06 ***
## Companylambdatest	0.877788
## Companylarvol	0.013606 *
## Companylevel ai	0.352776
## Companylifelancer	0.622898
## Companylocationiq	0.441262
## Companyluxoft	0.004177 **
## Companymajesco	0.014643 *
## Companymalabar group	0.016750 *
## Companymapup	8.21e-07 ***
## Companymarktine	0.003790 **
## Companymayflower language services	0.000200 ***
## Companymedallia inc	0.012225 *
## Companymetafic co	0.738889
## Companymiracle corporate solutions	0.033282 *
## Companymitratech india	0.061123 .
## Companymobileprogramming	4.13e-07 ***
## Companymotive	0.269736
## Companymvp1 ventures	0.065293 .
## Companynagarro	0.082657 .
## Companynavisite	0.001974 **
## Companyncr eduservices	1.01e-05 ***
## Companyneemtree internet	7.26e-08 ***
## Companynephrocare	0.005508 **
## Companynest digital	1.35e-06 ***
## Companynetscribes	1.21e-09 ***
## Companynetsyscon	0.269731
## Companyneweland technologies	0.351720
## Companynewt global	0.009492 **
## Companynexturn	1.58e-10 ***
## Companyniksun	9.79e-11 ***
## Companynityo infotech	5.60e-08 ***
## Companyntt	0.001517 **
## Companynumentica	0.517576
## Companynuvento systems	0.000111 ***
## Companyoffice beacon	8.62e-14 ***
## Companyopen door	0.000927 ***
## Companyopen logix	0.016518 *
## Companyopenstack apps	0.564996
## Companyoptimeyes ai	0.043579 *
## Companyoptimism foundation	0.351720
## Companyoptimus	0.007994 **
## Companyorane consulting	9.48e-11 ***
## Companyorane consulting pvt limited	6.40e-12 ***
## Companyoswaal books	0.272731
## CompanyOther	1.04e-06 ***
## Companyour food	1.02e-13 ***
## Companypaytm	0.000917 ***
## Companyperformatix solutions	1.19e-08 ***
## Companypersistent	0.000267 ***
## Companyphdata	0.072754 .
## Companyplanetspark	4.78e-06 ***
## Companypocket fm	0.002978 **
## Companypragmatic leaders	< 2e-16 ***

## Companyprakhar software	1.51e-13 ***
## Companyproarch it solutions	0.004810 **
## Companyprobeseven	< 2e-16 ***
## Companyprogrammers io	0.465574
## Companyprosofos india	< 2e-16 ***
## Companyprospus consulting	< 2e-16 ***
## Companyprotera technologies	0.152070
## Companyprotocol	0.001358 **
## Companypurplle.com	0.001750 **
## Companypurview india consulting and services	0.008934 **
## Companyqualitest	0.000627 ***
## Companyr1 rcm	0.025757 *
## Companyrackspace technology	0.000106 ***
## Companyraftlabs	0.482574
## Companyrcg global services	0.821491
## Companyreplicon	6.86e-05 ***
## Companyrevinfotech pvt. ltd.	7.64e-11 ***
## Companyria advisory	0.214050
## Companyrudder analytics	0.768623
## Companysaisystems technology	7.70e-05 ***
## Companysd solutions	0.033279 *
## Companysenrysa technologies	0.038654 *
## Companysequential tech	0.095292 .
## Companyshaip ai data (india)	0.000687 ***
## Companysigmond morgan it solutions	0.009046 **
## Companyskillety	1.24e-15 ***
## Companysky books pvt. ltd.	0.742537
## Companysledding technologies	0.248140
## Companysnp technologies	< 2e-16 ***
## Companysoho dragon	0.703625
## Companysolarsquare energy	2.12e-08 ***
## Companyspinny	0.050687 .
## Companyspringworks	0.887354
## Companysprinto hq	0.174302
## Companysquadrun, inc	0.027180 *
## Companysquarepoint technologies india	0.177874
## Companysrs infoway	0.020564 *
## Companystaffice global	0.616887
## Companystanley black decker india ltd.	0.000401 ***
## Companystats perform	0.287065
## Companysumtotal systems	0.073953 .
## Companysws smart working solutions	0.724141
## Companysybrant technologies	1.28e-13 ***
## Companysynoption	0.077781 .
## Companysystechcorp inc	6.10e-07 ***
## Companysystem soft	0.002745 **
## Companytata capital	0.017372 *
## Companytata projects	0.107540
## Companytech mahindra	9.50e-05 ***
## Companytech mahindra business services (techmbs)	0.000169 ***
## Companytechaffinity	0.024791 *
## Companytechno compass consulting	0.148246
## Companytechnology excellence	0.003904 **
## Companyteleperformance (tp)	1.66e-05 ***

## Companythe smart cube	0.000288 ***
## Companythinkbridge software	0.073947 .
## Companytrantor	0.000701 ***
## Companytwilio	0.037719 *
## Companyudacity	6.37e-10 ***
## Companyupwork	0.604106
## Companyushankk	0.187508
## Companyvaliance solutions	0.850095
## Companyvalue vision management consultants	0.000927 ***
## Companyvector	0.077949 .
## Companyventuredive	0.172595
## Companyveridic solutions	< 2e-16 ***
## Companyvertiv co	0.009888 **
## Companyvested finance	0.239245
## Companyvirtualware innovations	0.381820
## Companyvsplash techlabs, inc	1.42e-08 ***
## Companywelocalize	0.017873 *
## Companywesternacher consulting	0.367113
## Companywipro	0.003984 **
## Companywollmilchsau technologies	0.938535
## Companyworld wide technology	0.052915 .
## Companyworth technology pvt. ltd	1.75e-06 ***
## Companyyandex india	0.116291
## No.ofReviews	0.531883
## JobTitleaccount manager	0.936138
## JobTitleandroid developer	0.888131
## JobTitleangular developer	0.822060
## JobTitlearea sales manager	0.600231
## JobTitleazure data engineer	0.900807
## JobTitlebackend developer	0.132531
## JobTitlebusiness analyst	0.725423
## JobTitlebusiness development executive	0.735460
## JobTitlebusiness development manager	0.860118
## JobTitlecloud architect	0.268951
## JobTitlecontent writer	0.263710
## JobTitledata analyst	0.809908
## JobTitledata architect	0.710977
## JobTitledata engineer	0.354804
## JobTitledata scientist	0.940412
## JobTitledevops engineer	0.968581
## JobTitledot net core developer	0.957824
## JobTitledot net developer	0.429076
## JobTitlefield sales executive	0.071590 .
## JobTitleflutter developer	0.073860 .
## JobTitlefrontend developer	0.747439
## JobTitlefull stack developer	0.438736
## JobTitlefullstack developer	0.561309
## JobTitlegolang developer	0.825436
## JobTitlegraphic designer	0.761338
## JobTitleios developer	0.884136
## JobTitlejava backend developer	0.748349
## JobTitlejava developer	0.888469
## JobTitlejava full stack developer	0.784213
## JobTitlemachine learning engineer	0.829199

```

## JobTitlemagento developer 0.733358
## JobTitlemarketing manager 0.025354 *
## JobTitlemulesoft developer 0.910983
## JobTitleOther 0.778218
## JobTitlephp developer 0.899172
## JobTitlepower bi developer 0.955071
## JobTitleproduct manager 0.831868
## JobTitleproduct owner 0.860529
## JobTitleproject manager 0.668432
## JobTitlepython developer 0.503800
## JobTitleqa automation engineer 0.585626
## JobTitleqa engineer 0.718635
## JobTitlereact js developer 0.737678
## JobTitlereact native developer 0.416614
## JobTitleregional sales manager 0.747205
## JobTitleruby on rails developer 0.945071
## JobTitlesales engineer 0.732167
## JobTitlesales executive 0.652342
## JobTitlesales manager 0.832022
## JobTitlesales officer 0.145603
## JobTitlesalesforce cpq developer 0.870143
## JobTitlesalesforce developer 0.345860
## JobTitlescrum master 0.074629 .
## JobTitlesenior data engineer 0.597788
## JobTitlesenior devops engineer 0.555060
## JobTitlesenior full stack developer 0.995370
## JobTitlesenior java developer 0.308029
## JobTitlesenior python developer 0.840621
## JobTitlesenior software engineer 0.738813
## JobTitleservicenow developer 0.840819
## JobTitlesite reliability engineer 0.466479
## JobTitlesocial media manager 0.867717
## JobTitlesoftware developer 0.606060
## JobTitlesoftware engineer 0.462434
## JobTitlesolution architect 0.821480
## JobTitlesql developer 0.890708
## JobTitletechnical project manager 0.741531
## JobTitletechnical writer 0.880042
## JobTitleterritory sales manager 0.202160
## JobTitleui developer 0.937174
## JobTitleui/ux designer 0.145576
## JobTitleux designer 0.335542
## JobTitleweb developer 0.916645
## JobTitlewordpress developer 0.310421
## ReviewGroupLow 0.762028
## ReviewGroupMedium 0.653404
## ReviewGroupHigh 0.219348
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4975 on 5005 degrees of freedom
## Multiple R-squared:  0.4466, Adjusted R-squared:  0.4096
## F-statistic: 12.06 on 335 and 5005 DF, p-value: < 2.2e-16

```


Prediction of company ratings is done by using a linear regression model and data frame is created by comparing actual ratings from the test data with the predicted values, displaying the first few rows for review.

```
# Predict and evaluate the linear regression model
linear_predictions <- predict(linear_model, newdata = testing_data)
linear_result <- data.frame(Actual = testing_data$CompanyRating,
                           Predicted = linear_predictions)
head(linear_result)
```

```
##   Actual Predicted
## 1     4.1  4.100000
## 2     3.4  3.400000
## 3     3.6  3.780561
## 4     4.1  4.100000
## 5     4.2  4.200000
## 6     4.4  3.814757
```

Here I am calculating the Root Mean Square Error (RMSE) of the linear regression model to quantify the prediction error and print the result.

```
# Calculate RMSE for the linear regression model
linear_rmse <- sqrt(mean((linear_result$Actual - linear_result$Predicted)^2))
print(paste("Root Mean Square Error for Linear Regression:", linear_rmse))
```

```
## [1] "Root Mean Square Error for Linear Regression: 0.506823152969035"
```