

# Final Project - Spring 2020

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**Instructions Link:**

<https://dsvancer.github.io/MIS-431-Final-Project-Spring-2020/>

## Introduction

This semester we will be working with a data set from the field of **Human Resources Analytics**. Broadly speaking, this field is concerned with using employee data within a company to optimize objectives such as employee satisfaction, productivity, project management, and most commonly, avoiding employee attrition. Ideally, companies would like to keep **attrition rates** (the proportion of employees leaving a company for other opportunities) as low as possible due to the variable costs and business disruptions that come with having to replace productive employees on short notice.

The objective of this project is to develop a machine learning algorithm for a U.S. based company that will predict the likelihood of their employees leaving for other opportunities. In the recent economy, with an unemployment rate of only 3%, the company has seen an increase in the rate of employee departures. This has taken a toll on their operations and ability to deliver quality products.

## Employee Attrition Data

The following data consists of 1,470 employee records for a U.S. based product company. The rows in this data frame represent the attributes of an employee at this company across the variables listed in the table below.

employee\_data

```
## # A tibble: 1,470 x 13
##   left_company department job_level salary weekly_hours business_travel
##   <fct>          <fct>    <fct>    <dbl>      <dbl> <fct>
## 1 Yes           Sales      Director 1.19e5      56 Rarely
## 2 No            Sales      Senior M~ 8.56e4      42 Frequently
## 3 Yes           Product D~ Associate 4.62e4      56 Rarely
## 4 No            IT and An~ Director 1.17e5      50 Frequently
## 5 No            Sales      Associate 3.66e4      46 Rarely
## 6 No            Marketing Senior M~ 8.35e4      48 Frequently
## 7 No            Marketing Senior M~ 8.86e4      44 Rarely
## 8 No            Sales      Director 1.22e5      47 Rarely
## 9 No            Finance a~ Senior M~ 9.46e4      50 Frequently
## 10 No           Product D~ Director 1.25e5      51 Rarely
## # ... with 1,460 more rows, and 7 more variables: yrs_at_company <int>,
## #   yrs_since_promotion <int>, previous_companies <dbl>,
## #   job_satisfaction <fct>, performance_rating <fct>, marital_status <fct>,
## #   miles_from_home <int>
```

## Exploratory Data Analysis (50 Pts)

Executives at this bank have hired you as a data science consultant to identify the factors that lead to employees leaving their company. They would like for you to build a predictive model that is able to provide the likelihood of an employee leaving their company to make recommendations on how to minimize this behavior.

Specifically, the broad questions that the executive team is trying to answer include:

1. What are the factors that contribute to employees leaving the company?
2. Is it possible to predict whether an employee will leave the company? If so, how accurate are the predictions?
3. How many costly errors does the predictive model produce (employees that are predicted to stay, but eventually leave the company)?

In this section, you must think of at least 5 relevant questions that explore the relationship between **left\_company** and the other variables in the **employee** data set. The goal of your analysis should be discovering which variables drive the differences between employees who do and do not leave the company.

You must answer each question and provide supporting data summaries with either a summary data frame (using `dplyr/tidyr`) or a plot (using `ggplot`) or both.

In total, you must have a minimum of 3 plots and 3 summary data frames for the exploratory data analysis section. Among the plots you produce, you must have at least 3 different types (ex. box plot, bar chart, histogram, heat map, etc...)

See the example question below.

### Sample Question

**Question:** Is there a relationship between employees leaving the company and their current salary?

**Answer:** Yes, the data indicates that employees who leave the company tend to have lower salaries when compared to employees who do not. Among the 237 employees that left the company, the average salary was \$76,625. This is over \$20,000 less than the average salary of employees who did not leave the company.

Among the employees *who did not leave the company*, only 10% have a salary that is less than or equal to \$60,000. When looking at employees who did leave the company, this increase to 34%.

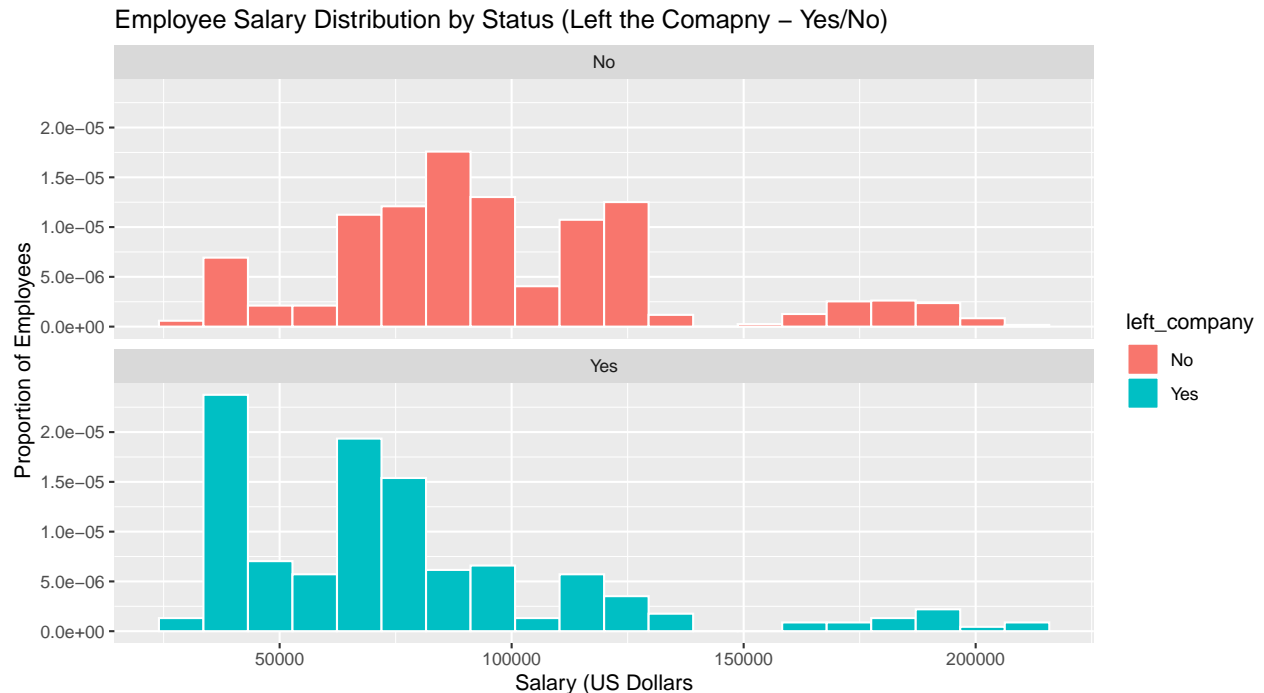
### Summary Table

```
employee_data %>% group_by(left_company) %>%
  summarise(n_employees = n(),
            min_salary = min(salary),
            avg_salary = mean(salary),
            max_salary = max(salary),
            sd_salary = sd(salary),
            pct_less_60k = mean(salary <= 60000))

## # A tibble: 2 x 7
##   left_company n_employees min_salary avg_salary max_salary sd_salary
##   <fct>          <int>      <dbl>      <dbl>      <dbl>      <dbl>
## 1 No             1233      29849.      97431.     212135.     36470.
## 2 Yes              237      30488.      76626.     211621.     38567.
## # ... with 1 more variable: pct_less_60k <dbl>
```

## Data Visualization

```
ggplot(data = employee_data, aes(x = salary, fill = left_company)) +  
  geom_histogram(aes(y = ..density..), color = "white", bins = 20) +  
  facet_wrap(~ left_company, nrow = 2) +  
  labs(title = "Employee Salary Distribution by Status (Left the Comapny - Yes/No)",  
       x = "Salary (US Dollars)", y = "Proportion of Employees")
```



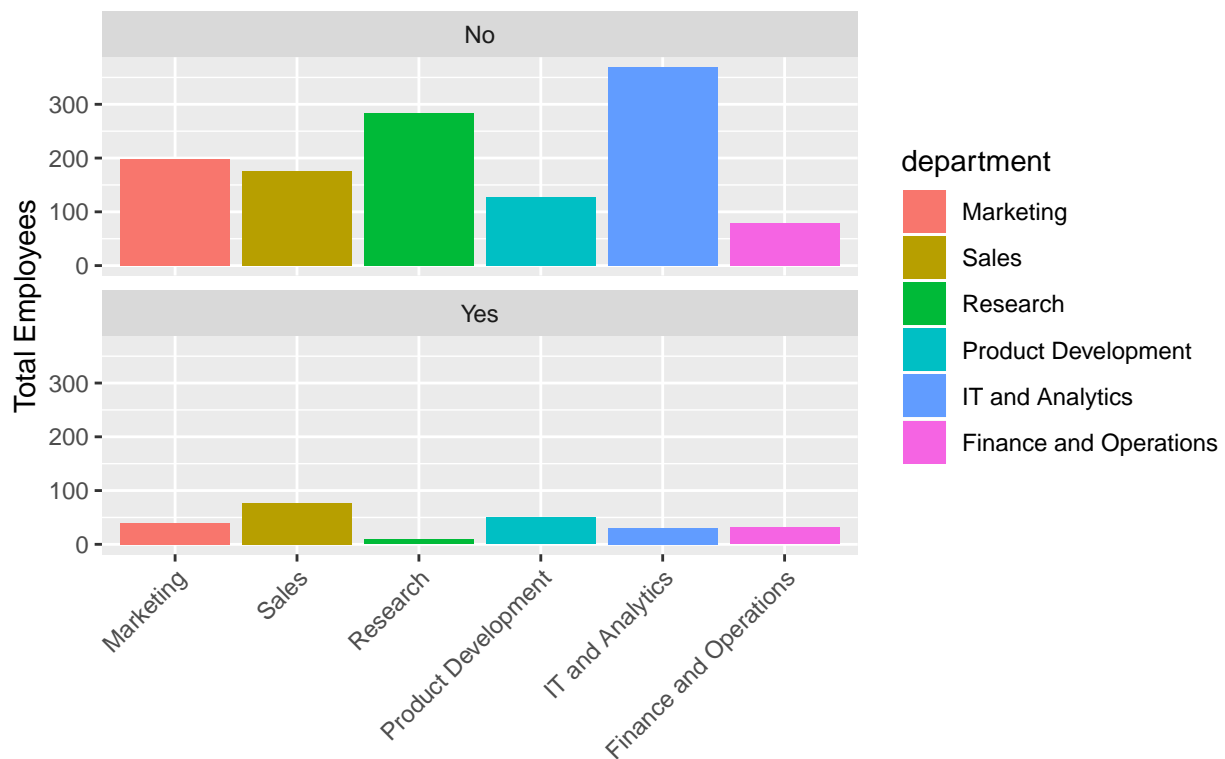
## Question 1

**Question:** What department has the highest employee leaving within the given dataset?

**Answer:** Within the dataset and based on the table and the chart below, we can tell that Sales department had the highest employees that left the company. Although IT and Analytics department had the most employees, they had the least employee that left the company. With all that being said, the company should focus more on Sales department and within the Sales department itself they should find out the way to reduce the employee turnover rate.

```
df1 <- employee_data %>% group_by(department, left_company) %>% count()  
  
ggplot(data = df1, mapping = aes(x = department, y = n, fill = department)) +  
  geom_bar(stat = 'identity') +  
  facet_wrap(~ left_company, nrow = 2) +  
  labs(title = "Total employees Leaving by Department (Left the Comapny - Yes/No)",  
       x = "", y = "Total Employees") +  
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

Total employees Leaving by Department (Left the Comapny – Yes/No)



## Question 2

**Question:** Is there a relationship between employee leaving and weekly hours?

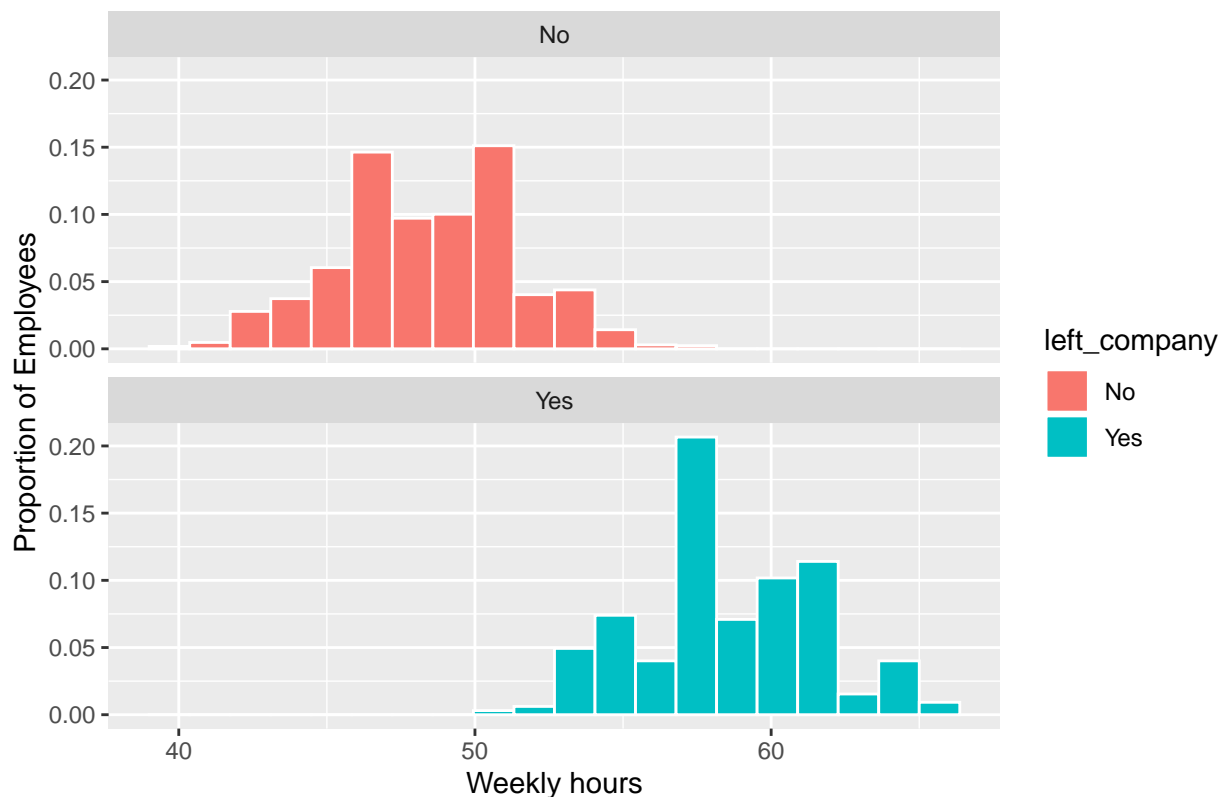
**Answer:** Yes the given dataset indicate that employees left the company tend to have more weekly hours than employees who did not leave. Also, based on the table below, avg\_weekly hours of employees who left the company is 58 more than 10 hours compare to avg weekly hour of employee who did not leave.

```
employee_data %>% group_by(left_company) %>%
  summarise(n_employees = n(),
            min_weekly_hours = min(weekly_hours),
            avg_weekly_hours = mean(weekly_hours),
            max_weekly_hours = max(weekly_hours))
```

left_company	n_employees	min_weekly_hours	avg_weekly_hours	max_weekly_hours
1 No	1233	40	48.4	58
2 Yes	237	51	58.6	66

```
ggplot(data = employee_data, aes(x = weekly_hours, fill = left_company)) +
  geom_histogram(aes(y = ..density..), color = "white", bins = 20) +
  facet_wrap(~ left_company, nrow = 2) +
  labs(title = "Employee Weekly Distribution by Status (Left the Comapny - Yes/No)",
       x = "Weekly hours", y = "Proportion of Employees")
```

## Employee Weekly Distribution by Status (Left the Company – Yes/No)



### Question 3

**Question:** Is there a relationship between employee leaving and miles\_from\_home?

**Answer:** Yes, the data indicate that employees closer to the company tend not to leave the company. employees that live within 10 miles from the company and still working at the company is approx 60% of all the employees

```
df2 <- employee_data %>% group_by(left_company, miles_from_home) %>%
  summarise(total_employee = n()) %>% ungroup %>%

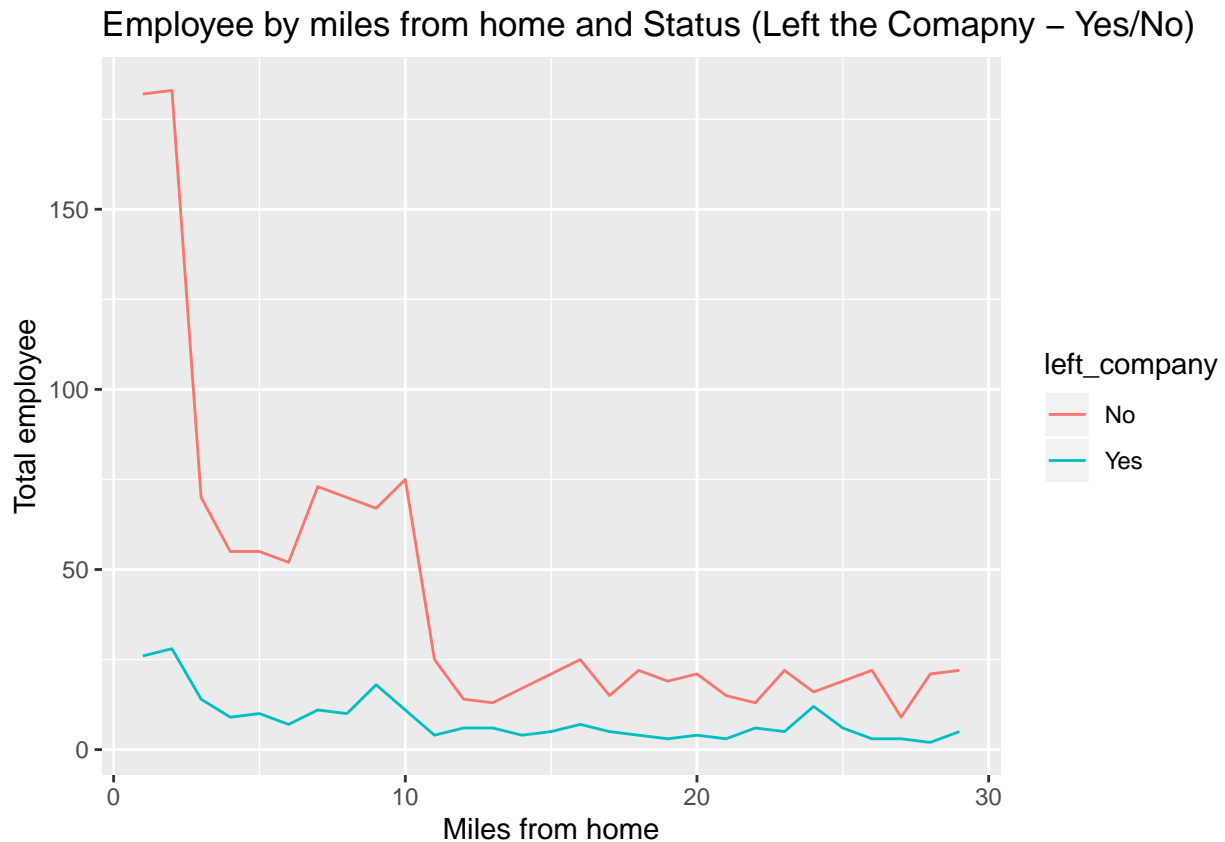
  mutate(pct_each_cat = 100*(total_employee/sum(total_employee)))

df2 %>% select(-3) %>% spread(key = miles_from_home, value = pct_each_cat)

## # A tibble: 2 x 30
##   left_company `1` `2` `3` `4` `5` `6` `7` `8` `9` `10` `11`
##   <fct>         <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1 No          12.4 12.4 4.76 3.74 3.74 3.54 4.97 4.76 4.56 5.10 1.70
## 2 Yes          1.77 1.90 0.952 0.612 0.680 0.476 0.748 0.680 1.22 0.748 0.272
## # ... with 18 more variables: `12` <dbl>, `13` <dbl>, `14` <dbl>, `15` <dbl>,
## #   `16` <dbl>, `17` <dbl>, `18` <dbl>, `19` <dbl>, `20` <dbl>, `21` <dbl>,
## #   `22` <dbl>, `23` <dbl>, `24` <dbl>, `25` <dbl>, `26` <dbl>, `27` <dbl>,
## #   `28` <dbl>, `29` <dbl>

ggplot(df2) +
  geom_line(mapping = aes(x = miles_from_home, y = total_employee, group = left_company, color = left_
```

```
labs(title = "Employee by miles from home and Status (Left the Comapny - Yes/No)",
     x = "Miles from home", y = "Total employee")
```



#### Question 4

**Question:** Is there a relationship between employee leaving and job satisfaction?

**Answer:** yes, high and very high in job satisfaction and do not leave the company got more than 50% of total employees.

```
employee_data %>% group_by(left_company, job_satisfaction) %>%
  summarise(n_employees = n()) %>% ungroup() %>%
  mutate(job_satisfaction_prop = 100*(n_employees/sum(n_employees)))
```

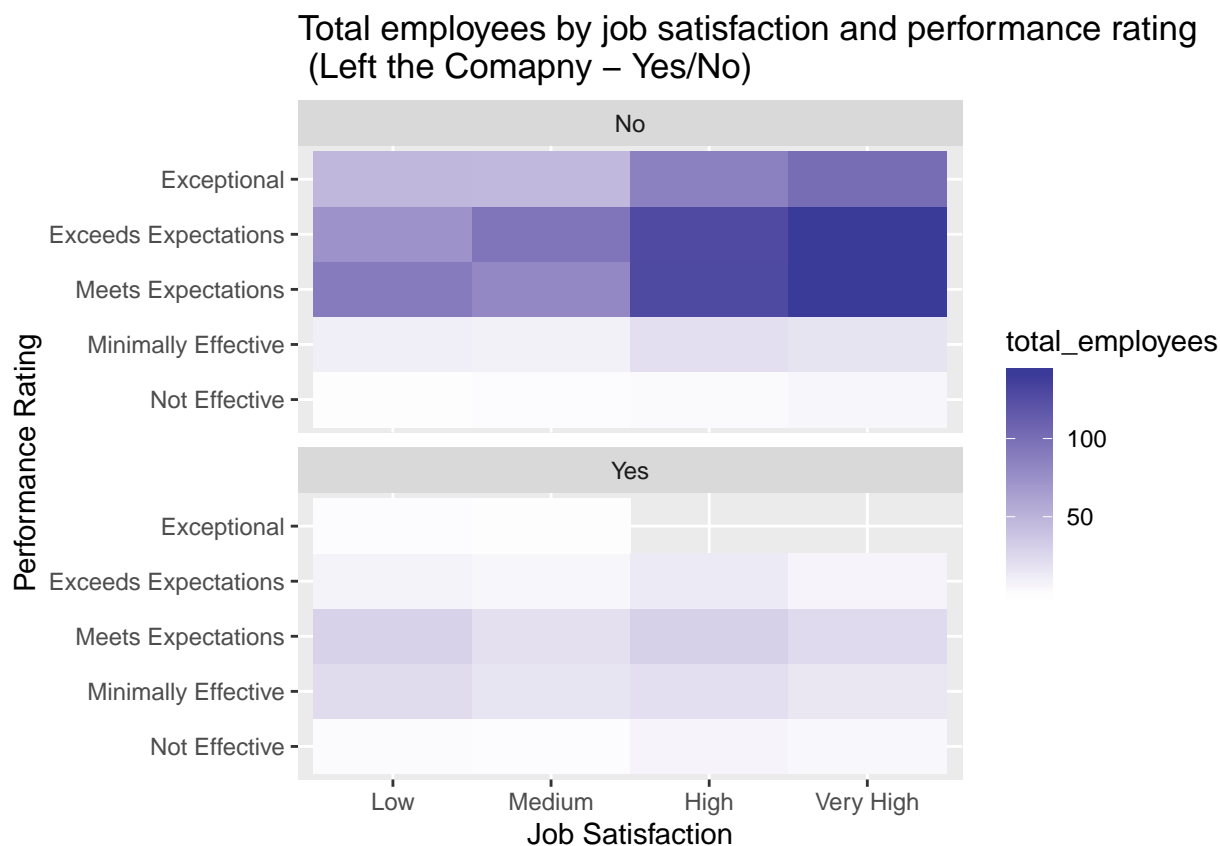
```
## # A tibble: 8 x 4
##   left_company job_satisfaction n_employees job_satisfaction_prop
##   <fct>        <fct>          <int>          <dbl>
## 1 No          Low              223           15.2
## 2 No          Medium           234           15.9
## 3 No          High             369           25.1
## 4 No          Very High         407           27.7
## 5 Yes         Low               66            4.49
## 6 Yes         Medium            46            3.13
## 7 Yes         High              73            4.97
## 8 Yes         Very High         52            3.54
```

## Question 5

**Question:** Is there a relationship between employee leaving and performance rating and job satisfaction?

**Answer:** Yes, the heatmap indicate that most employees that do not leave the company tend to have a job satisfaction is “very high” and “high”, and also with the performance rating are “Meets Expectations” and “Exceeds Expectations”; It’s decreasing when the job satisfaction and performance rating are decreasing as well.

```
df3 <- employee_data %>% group_by(job_satisfaction, performance_rating, left_company) %>%  
  summarise(total_employees = n())  
ggplot(data = df3, mapping = aes(x = job_satisfaction, y = performance_rating,  
                                fill = total_employees)) +  
  geom_tile() +  
  scale_fill_gradient2() +  
  facet_wrap(~ left_company, nrow = 2) +  
  labs(title = "Total employees by job satisfaction and performance rating \n (Left the Comapny - Yes/No)",  
       x = "Job Satisfaction", y = "Performance Rating")
```



## Predictive Modeling (75 Pts)

Once you have trained your model, you must use it to obtain predictions on your test data and study its performance (F1 Score, False Positive and False Negative Rates).

The first predictive model will be a KNN classification, where I will guide you through the steps of the model building process.

For the other two models, you will complete the entire process on your own. You may choose from any of the following classification algorithms:

1. Logistic Regression
2. LDA
3. QDA
4. Naive Bayes
5. Decision Tree
6. Random Forest

The R code below will split the **employee** data into training and test sets and also load the **cf\_matrix** function for your model performance assessments. ““

```
## Load the cf_matrix function
source('/cloud/project/cf_matrix_function.R')

# Create a training index vector
set.seed(314)

training_index <- sample(x = 1:nrow(employee_data), size = floor(0.7*nrow(employee_data)))

# Training and Test Data
employee_training <- employee_data[training_index, ]

employee_test <- employee_data[-training_index, ]
```

## KNN Classification

We see that  $k = 6$  is the optimal value of  $k$  found using the training data.

```
# Find Optimal K
train.kknn(left_company ~ .,
            data = employee_training,
            kmax = 40)

##
## Call:
## train.kknn(formula = left_company ~ ., data = employee_training,      kmax = 40)
##
## Type of response variable: nominal
## Minimal misclassification: 0.04567541
## Best kernel: optimal
## Best k: 6
```

### Explore Optimal Probability Cut-Off Value on the Training Data

```
knn_training_model <- kknn(left_company ~ ., train = employee_training,
                           test = employee_training, # Also training data in this case
                           k = 6, distance = 2)

# Results data frame on training data
# Since we are adding posterior probabilities, we must use data.frame()
knn_training_results <- data.frame(employee_training,
                                    knn_pred_0.5 = knn_training_model$fitted.values,
                                    knn_training_model$prob)
```



# View results

knn\_training\_results

##	left_company	department	job_level	salary	weekly_hours
## 1	No	Product Development	Senior Manager	92140.37	46
## 2	No	IT and Analytics	Director	111383.54	51
## 3	Yes	IT and Analytics	Senior Manager	97912.21	56
## 4	No	IT and Analytics	Senior Manager	92527.86	49
## 5	No	IT and Analytics	Vice President	202676.69	42
## 6	Yes	Sales	Manager	70767.31	55
## 7	No	Marketing	Director	122207.78	47
## 8	No	Research	Director	121072.93	52
## 9	No	Marketing	Vice President	178675.57	49
## 10	No	IT and Analytics	Director	128437.29	54
## 11	No	Sales	Manager	71363.70	45
## 12	Yes	Marketing	Manager	72494.67	62
## 13	No	Marketing	Senior Manager	90552.34	49
## 14	No	Research	Manager	61524.54	46
## 15	Yes	IT and Analytics	Associate	45199.04	58
## 16	No	Sales	Senior Manager	82441.88	42
## 17	No	IT and Analytics	Associate	43802.25	56
## 18	No	Product Development	Senior Manager	84567.91	46
## 19	No	Marketing	Vice President	179902.30	51
## 20	No	IT and Analytics	Manager	70241.34	49
## 21	No	Sales	Senior Manager	90648.95	42
## 22	No	IT and Analytics	Vice President	184909.54	44
## 23	Yes	Sales	Manager	75975.59	56
## 24	No	Sales	Vice President	176370.65	49
## 25	No	IT and Analytics	Manager	76472.41	51
## 26	No	Marketing	Associate	42515.29	47
## 27	Yes	Sales	Senior Manager	94387.82	55
## 28	No	IT and Analytics	Senior Manager	88521.84	47
## 29	No	Finance and Operations	Director	108734.69	55
## 30	No	IT and Analytics	Vice President	181300.33	51
## 31	No	Research	Senior Manager	88345.24	46
## 32	No	Research	Director	134434.69	45
## 33	No	Marketing	Director	119938.15	52
## 34	No	IT and Analytics	Senior Manager	92312.26	48
## 35	Yes	Product Development	Associate	40374.92	59
## 36	No	IT and Analytics	Senior Manager	91802.31	47
## 37	No	Research	Vice President	194426.01	49
## 38	No	Sales	Senior Manager	82608.49	48
## 39	Yes	Marketing	Associate	42495.20	55
## 40	No	Marketing	Senior Manager	91811.46	50
## 41	No	Sales	Senior Manager	87750.01	47
## 42	No	Marketing	Director	123258.39	53
## 43	No	Research	Associate	45352.60	48
## 44	Yes	Product Development	Vice President	195308.78	57
## 45	No	Finance and Operations	Manager	73149.99	43
## 46	No	Research	Vice President	182502.97	45
## 47	No	Marketing	Senior Manager	84532.64	50
## 48	No	Research	Manager	68660.28	53
## 49	No	IT and Analytics	Vice President	177435.37	52
## 50	No	Research	Director	112002.62	51

## 51	No	IT and Analytics	Senior Manager	86620.40	52
## 52	Yes	Finance and Operations	Senior Manager	92451.00	60
## 53	No	Sales	Senior Manager	94914.34	51
## 54	Yes	Sales	Manager	69103.83	61
## 55	No	IT and Analytics	Senior Manager	84196.93	52
## 56	No	Research	Senior Manager	106121.98	55
## 57	No	IT and Analytics	Vice President	173340.77	51
## 58	No	IT and Analytics	Senior Manager	99460.80	42
## 59	No	Research	Senior Manager	90098.31	45
## 60	Yes	Sales	Manager	77295.94	59
## 61	Yes	Finance and Operations	Manager	74466.08	55
## 62	No	Research	Director	128151.48	54
## 63	No	IT and Analytics	Director	118510.73	47
## 64	Yes	Finance and Operations	Manager	68818.84	58
## 65	Yes	Finance and Operations	Manager	76027.07	58
## 66	No	Research	Vice President	159817.38	45
## 67	No	IT and Analytics	Director	123243.17	48
## 68	No	Product Development	Manager	66035.63	46
## 69	No	IT and Analytics	Manager	65308.88	44
## 70	No	Research	Manager	79326.86	50
## 71	Yes	IT and Analytics	Manager	50463.46	64
## 72	Yes	Marketing	Senior Manager	93320.48	57
## 73	No	Finance and Operations	Senior Manager	89247.02	51
## 74	No	Product Development	Senior Manager	86383.94	53
## 75	No	Marketing	Manager	69647.44	52
## 76	No	IT and Analytics	Vice President	168338.06	48
## 77	No	Product Development	Manager	72164.21	51
## 78	No	Sales	Senior Manager	79228.52	53
## 79	No	Sales	Manager	77438.51	46
## 80	No	IT and Analytics	Senior Manager	84240.66	47
## 81	No	Research	Manager	72711.20	51
## 82	No	IT and Analytics	Senior Manager	100966.90	50
## 83	No	Marketing	Senior Manager	95729.96	51
## 84	Yes	IT and Analytics	Manager	63708.85	59
## 85	No	Marketing	Senior Manager	86485.05	46
## 86	No	IT and Analytics	Director	128104.55	48
## 87	No	IT and Analytics	Senior Manager	83270.10	50
## 88	No	IT and Analytics	Senior Manager	90604.56	45
## 89	No	Marketing	Vice President	173760.97	49
## 90	No	Research	Vice President	169965.70	48
## 91	No	Marketing	Senior Manager	95567.72	52
## 92	No	IT and Analytics	Director	122166.15	48
## 93	No	Sales	Senior Manager	98724.73	49
## 94	No	Research	Senior Manager	86590.95	46
## 95	Yes	Sales	Senior Manager	95996.49	60
## 96	No	Marketing	Director	118838.18	51
## 97	Yes	Product Development	Associate	40116.57	58
## 98	No	Product Development	Manager	78311.43	55
## 99	No	IT and Analytics	Vice President	208804.39	51
## 100	No	Research	Director	130265.72	52
## 101	No	Research	Senior Manager	81049.00	51
## 102	No	Finance and Operations	Director	121821.57	49
## 103	No	Research	Manager	69548.43	46
## 104	No	Research	Senior Manager	98344.82	48

## 105	No	IT and Analytics	Manager	66827.42	51
## 106	No	Sales	Senior Manager	79926.72	48
## 107	No	IT and Analytics	Senior Manager	93366.36	51
## 108	No	Research	Director	120493.89	49
## 109	No	Research	Director	120994.87	52
## 110	Yes	Sales	Associate	44875.01	59
## 111	No	Finance and Operations	Senior Manager	90960.60	48
## 112	No	Research	Senior Manager	79892.87	45
## 113	No	Sales	Director	122505.46	50
## 114	Yes	Product Development	Director	122852.49	62
## 115	No	IT and Analytics	Associate	40663.84	49
## 116	No	IT and Analytics	Senior Manager	98100.97	49
## 117	Yes	Sales	Director	119870.63	55
## 118	No	Research	Associate	41883.73	44
## 119	Yes	Research	Manager	65245.90	60
## 120	No	IT and Analytics	Senior Manager	79184.52	43
## 121	No	Sales	Director	115933.68	48
## 122	No	IT and Analytics	Senior Manager	88410.12	48
## 123	Yes	Marketing	Director	108649.20	54
## 124	No	Sales	Director	121194.50	47
## 125	No	Sales	Director	109312.12	48
## 126	No	Marketing	Manager	83971.70	51
## 127	No	Sales	Director	120073.13	46
## 128	No	Research	Manager	67614.64	46
## 129	No	Marketing	Manager	72422.90	48
## 130	Yes	Product Development	Associate	37916.23	57
## 131	No	IT and Analytics	Manager	71584.59	53
## 132	Yes	Sales	Manager	70500.92	60
## 133	No	Sales	Director	115793.55	50
## 134	Yes	Marketing	Manager	64286.25	60
## 135	Yes	Sales	Associate	35885.89	59
## 136	No	IT and Analytics	Senior Manager	91196.16	49
## 137	No	Research	Senior Manager	100371.49	45
## 138	No	IT and Analytics	Vice President	176281.98	50
## 139	No	Sales	Senior Manager	95230.08	46
## 140	No	Marketing	Senior Manager	91533.22	47
## 141	No	IT and Analytics	Senior Manager	90109.27	49
## 142	No	Marketing	Director	124484.74	50
## 143	No	IT and Analytics	Associate	35928.77	43
## 144	No	IT and Analytics	Associate	38358.87	50
## 145	No	Research	Senior Manager	100623.67	52
## 146	Yes	IT and Analytics	Vice President	173040.57	58
## 147	No	IT and Analytics	Director	119486.65	55
## 148	No	Research	Director	118198.12	42
## 149	No	Product Development	Director	122014.25	48
## 150	No	IT and Analytics	Manager	65849.72	46
## 151	Yes	Marketing	Manager	77254.98	60
## 152	No	IT and Analytics	Senior Manager	96703.35	49
## 153	No	Research	Director	122928.36	54
## 154	No	Marketing	Vice President	184073.75	48
## 155	No	Marketing	Manager	69897.79	51
## 156	No	Research	Director	125315.46	49
## 157	No	IT and Analytics	Director	124283.49	52
## 158	No	Research	Vice President	188987.72	50

## 159	No	Research	Director	117476.81	48
## 160	No	Research	Associate	49333.33	49
## 161	No	IT and Analytics	Senior Manager	96677.82	46
## 162	No	Marketing	Senior Manager	89779.10	51
## 163	No	IT and Analytics	Manager	64056.38	52
## 164	No	Research	Vice President	160239.54	46
## 165	No	Sales	Senior Manager	84021.07	41
## 166	No	Sales	Senior Manager	94552.50	49
## 167	No	IT and Analytics	Manager	75936.31	48
## 168	No	IT and Analytics	Manager	67848.69	47
## 169	No	Marketing	Senior Manager	83281.29	47
## 170	No	Product Development	Director	116325.34	51
## 171	Yes	Product Development	Associate	42452.56	62
## 172	No	IT and Analytics	Director	121303.70	49
## 173	No	Sales	Senior Manager	93282.41	41
## 174	No	Marketing	Vice President	183343.86	45
## 175	No	Marketing	Vice President	184829.72	52
## 176	No	Sales	Vice President	183795.28	45
## 177	No	IT and Analytics	Senior Manager	100764.57	50
## 178	No	Finance and Operations	Manager	70951.33	53
## 179	No	Sales	Director	123628.16	45
## 180	No	Research	Senior Manager	82725.60	52
## 181	No	Marketing	Manager	85143.37	45
## 182	No	IT and Analytics	Senior Manager	81751.06	50
## 183	No	Sales	Manager	72983.55	46
## 184	No	IT and Analytics	Senior Manager	93650.54	45
## 185	No	Product Development	Manager	74618.92	45
## 186	No	IT and Analytics	Senior Manager	85407.94	45
## 187	Yes	IT and Analytics	Vice President	163443.87	60
## 188	No	Sales	Associate	36634.73	46
## 189	No	IT and Analytics	Director	120485.78	44
## 190	No	Finance and Operations	Manager	63496.58	44
## 191	No	IT and Analytics	Manager	73565.35	53
## 192	No	Marketing	Senior Manager	86695.57	49
## 193	No	Research	Senior Manager	94329.23	41
## 194	No	IT and Analytics	Vice President	158072.39	50
## 195	No	IT and Analytics	Senior Manager	82929.32	50
## 196	Yes	Product Development	Manager	64828.28	62
## 197	No	Finance and Operations	Senior Manager	90558.47	49
## 198	No	IT and Analytics	Vice President	189595.23	46
## 199	No	Research	Director	120599.87	48
## 200	Yes	Marketing	Manager	72946.47	60
## 201	No	Product Development	Senior Manager	93006.30	49
## 202	No	Research	Senior Manager	79724.83	51
## 203	No	IT and Analytics	Associate	36960.02	51
## 204	Yes	Marketing	Associate	43833.02	58
## 205	No	IT and Analytics	Manager	67105.33	48
## 206	No	IT and Analytics	Senior Manager	92830.73	46
## 207	Yes	IT and Analytics	Manager	75142.17	59
## 208	No	Marketing	Senior Manager	76505.81	49
## 209	No	Research	Manager	70996.23	45
## 210	No	IT and Analytics	Manager	69208.84	45
## 211	Yes	Product Development	Associate	45429.88	56
## 212	No	Product Development	Manager	73372.23	53

## 213	No	Marketing	Director	117876.62	51
## 214	Yes	Finance and Operations	Vice President	205266.90	66
## 215	Yes	Sales	Manager	77632.02	64
## 216	No	IT and Analytics	Senior Manager	89254.67	49
## 217	No	IT and Analytics	Associate	39684.89	46
## 218	Yes	Marketing	Associate	44124.21	58
## 219	No	IT and Analytics	Associate	41649.36	52
## 220	Yes	Sales	Senior Manager	82835.10	61
## 221	No	IT and Analytics	Director	117400.42	50
## 222	No	IT and Analytics	Manager	72010.58	48
## 223	No	IT and Analytics	Associate	39749.66	49
## 224	No	Sales	Associate	41870.18	54
## 225	No	Research	Director	117411.71	50
## 226	No	Research	Associate	36666.80	53
## 227	No	IT and Analytics	Manager	77152.54	49
## 228	Yes	Sales	Manager	69735.19	60
## 229	Yes	Product Development	Senior Manager	88982.71	59
## 230	No	Sales	Manager	63545.37	50
## 231	No	Finance and Operations	Manager	67662.68	48
## 232	No	Marketing	Manager	74386.67	50
## 233	No	Sales	Associate	40569.84	47
## 234	No	Marketing	Manager	70482.68	52
## 235	No	Product Development	Manager	64454.95	44
## 236	No	IT and Analytics	Director	115111.11	46
## 237	No	Product Development	Manager	67455.57	45
## 238	No	Marketing	Manager	59453.53	41
## 239	Yes	Sales	Vice President	192393.97	58
## 240	No	Research	Senior Manager	91261.66	43
## 241	No	Product Development	Associate	44140.30	50
## 242	No	Research	Senior Manager	93953.34	55
## 243	No	IT and Analytics	Senior Manager	98371.28	49
## 244	No	Research	Senior Manager	92255.41	46
## 245	No	IT and Analytics	Associate	42303.84	52
## 246	No	IT and Analytics	Director	118523.14	48
## 247	No	IT and Analytics	Associate	38747.09	54
## 248	Yes	Product Development	Senior Manager	98022.31	58
## 249	Yes	Marketing	Associate	40140.38	56
## 250	No	IT and Analytics	Senior Manager	90542.95	46
## 251	No	Product Development	Director	115151.21	49
## 252	Yes	IT and Analytics	Director	112456.09	55
## 253	No	Research	Vice President	172669.33	44
## 254	No	IT and Analytics	Director	117307.61	47
## 255	No	Sales	Director	122484.25	47
## 256	Yes	Sales	Associate	42069.84	57
## 257	No	IT and Analytics	Vice President	200731.92	47
## 258	No	IT and Analytics	Manager	69775.48	53
## 259	No	IT and Analytics	Director	124630.82	48
## 260	No	Sales	Senior Manager	85085.61	50
## 261	No	Marketing	Senior Manager	88555.65	44
## 262	No	Sales	Associate	42255.87	54
## 263	No	Finance and Operations	Senior Manager	94642.18	50
## 264	No	Product Development	Senior Manager	84914.24	48
## 265	No	IT and Analytics	Director	112406.93	55
## 266	No	Sales	Director	118684.63	51

## 267	No	IT and Analytics	Senior Manager	83984.99	44
## 268	No	Marketing	Senior Manager	89959.16	52
## 269	No	IT and Analytics	Director	113657.74	50
## 270	No	Research	Senior Manager	95333.63	48
## 271	Yes	Sales	Senior Manager	71271.12	57
## 272	No	Research	Vice President	198930.30	48
## 273	Yes	Marketing	Associate	32394.52	59
## 274	No	IT and Analytics	Associate	37087.05	49
## 275	Yes	Marketing	Manager	68543.16	52
## 276	No	Marketing	Senior Manager	78458.67	49
## 277	Yes	Finance and Operations	Manager	73594.60	55
## 278	No	IT and Analytics	Associate	44018.81	51
## 279	No	Sales	Senior Manager	97533.09	46
## 280	No	IT and Analytics	Associate	39617.30	46
## 281	No	Sales	Director	113114.59	48
## 282	No	Sales	Senior Manager	76871.89	46
## 283	Yes	Marketing	Manager	66368.37	58
## 284	No	Finance and Operations	Senior Manager	88991.10	49
## 285	No	Marketing	Director	118217.00	50
## 286	No	Finance and Operations	Senior Manager	87309.81	54
## 287	No	Sales	Director	126669.55	51
## 288	No	Finance and Operations	Director	125861.28	45
## 289	No	IT and Analytics	Senior Manager	109736.77	45
## 290	No	Research	Senior Manager	90051.93	49
## 291	Yes	Research	Senior Manager	88555.42	57
## 292	Yes	Sales	Manager	73148.36	62
## 293	No	Marketing	Senior Manager	100190.37	48
## 294	No	Marketing	Director	123467.33	45
## 295	No	Sales	Vice President	167616.37	48
## 296	No	Sales	Senior Manager	89893.65	46
## 297	No	IT and Analytics	Senior Manager	82237.25	53
## 298	No	IT and Analytics	Vice President	187473.54	49
## 299	No	Research	Senior Manager	83436.31	49
## 300	No	Product Development	Senior Manager	103345.60	52
## 301	No	IT and Analytics	Senior Manager	95081.33	45
## 302	Yes	Product Development	Manager	76106.18	60
## 303	Yes	Finance and Operations	Associate	41312.65	57
## 304	No	IT and Analytics	Manager	62669.33	51
## 305	No	Product Development	Manager	68060.23	48
## 306	Yes	Product Development	Associate	36998.47	58
## 307	No	IT and Analytics	Manager	78328.77	52
## 308	No	Marketing	Senior Manager	79410.41	50
## 309	No	Research	Director	121769.18	53
## 310	No	Research	Vice President	189818.07	46
## 311	No	IT and Analytics	Manager	73543.49	50
## 312	Yes	IT and Analytics	Vice President	169694.94	58
## 313	No	Sales	Associate	41798.68	48
## 314	No	IT and Analytics	Senior Manager	92847.95	48
## 315	No	Sales	Manager	67503.86	48
## 316	Yes	Sales	Manager	66804.38	58
## 317	No	IT and Analytics	Senior Manager	94280.21	48
## 318	Yes	Research	Associate	43394.09	58
## 319	No	IT and Analytics	Associate	41894.97	48
## 320	No	Research	Manager	72789.77	50

## 321	No	IT and Analytics	Senior Manager	91526.35	47
## 322	No	IT and Analytics	Director	117226.84	50
## 323	No	Finance and Operations	Director	110540.69	46
## 324	No	Sales	Senior Manager	89704.26	51
## 325	No	IT and Analytics	Senior Manager	84359.46	55
## 326	Yes	IT and Analytics	Director	126220.18	59
## 327	No	Research	Vice President	185041.57	50
## 328	No	Marketing	Manager	73620.55	50
## 329	Yes	Sales	Associate	42305.50	61
## 330	No	IT and Analytics	Manager	60867.70	47
## 331	No	Sales	Vice President	172647.77	48
## 332	No	IT and Analytics	Senior Manager	84934.65	48
## 333	No	Marketing	Manager	77154.04	45
## 334	Yes	Sales	Associate	41158.10	53
## 335	No	IT and Analytics	Senior Manager	86713.09	46
## 336	Yes	Sales	Manager	72727.72	58
## 337	No	Marketing	Vice President	187709.30	45
## 338	Yes	Marketing	Manager	75254.66	57
## 339	No	IT and Analytics	Senior Manager	85945.94	52
## 340	No	IT and Analytics	Senior Manager	88891.98	46
## 341	No	Research	Manager	64655.38	44
## 342	No	Research	Director	128939.48	49
## 343	No	Product Development	Associate	38231.07	50
## 344	No	IT and Analytics	Associate	29848.56	50
## 345	No	Research	Senior Manager	91785.98	50
## 346	No	Marketing	Manager	67127.80	50
## 347	No	Research	Senior Manager	83503.34	49
## 348	Yes	Marketing	Manager	59397.67	58
## 349	No	Research	Senior Manager	78503.16	47
## 350	No	Research	Vice President	203528.87	49
## 351	No	Sales	Director	119014.17	50
## 352	No	Research	Senior Manager	80137.32	48
## 353	No	IT and Analytics	Senior Manager	88508.55	44
## 354	No	IT and Analytics	Director	117280.67	47
## 355	No	Finance and Operations	Manager	60882.98	45
## 356	Yes	Sales	Director	118948.95	64
## 357	No	IT and Analytics	Senior Manager	79345.00	47
## 358	No	Research	Director	132176.53	47
## 359	No	Product Development	Senior Manager	81549.47	44
## 360	No	Marketing	Manager	66995.04	50
## 361	No	Sales	Manager	76349.44	50
## 362	No	Sales	Vice President	188142.21	51
## 363	No	Research	Associate	37432.19	53
## 364	No	Research	Senior Manager	85251.86	46
## 365	No	Sales	Director	122236.25	50
## 366	No	IT and Analytics	Senior Manager	94029.56	46
## 367	Yes	Sales	Manager	67902.28	64
## 368	No	Sales	Director	121005.06	52
## 369	No	Sales	Associate	43891.08	45
## 370	No	Sales	Manager	67188.26	44
## 371	Yes	Product Development	Senior Manager	88990.62	58
## 372	No	Sales	Manager	63295.22	49
## 373	No	IT and Analytics	Senior Manager	85078.98	51
## 374	No	IT and Analytics	Director	124475.99	52

## 375	No	Research	Vice President	177920.83	50
## 376	No	Sales	Manager	62410.25	47
## 377	No	Marketing	Senior Manager	86023.80	47
## 378	No	IT and Analytics	Director	115697.37	44
## 379	No	Research	Vice President	159116.87	47
## 380	No	Sales	Senior Manager	90335.02	52
## 381	No	Finance and Operations	Vice President	201197.87	50
## 382	No	Research	Director	114980.91	46
## 383	No	Sales	Director	121756.08	50
## 384	Yes	Product Development	Associate	47953.88	58
## 385	No	Research	Director	115746.47	43
## 386	No	IT and Analytics	Vice President	189356.98	51
## 387	Yes	IT and Analytics	Manager	74310.06	54
## 388	No	Research	Director	121936.92	46
## 389	No	Product Development	Vice President	174313.19	47
## 390	Yes	Product Development	Associate	39596.16	59
## 391	No	IT and Analytics	Director	130978.67	42
## 392	No	Finance and Operations	Director	111126.42	46
## 393	No	Marketing	Senior Manager	79101.58	46
## 394	No	Research	Associate	43592.78	46
## 395	No	IT and Analytics	Senior Manager	95340.25	49
## 396	No	Research	Manager	62689.96	50
## 397	Yes	Product Development	Associate	42009.72	56
## 398	No	Marketing	Senior Manager	87204.71	46
## 399	Yes	Product Development	Manager	64791.15	53
## 400	Yes	Sales	Manager	67453.21	58
## 401	Yes	Sales	Manager	66114.84	54
## 402	No	Research	Senior Manager	89312.88	51
## 403	No	Product Development	Senior Manager	93634.98	45
## 404	No	Research	Senior Manager	89497.57	48
## 405	No	IT and Analytics	Senior Manager	86836.33	46
## 406	No	Product Development	Director	119427.21	50
## 407	No	Marketing	Director	106660.42	46
## 408	Yes	IT and Analytics	Director	122231.86	51
## 409	No	Finance and Operations	Director	117643.54	54
## 410	No	Sales	Associate	47547.81	53
## 411	No	Marketing	Associate	34741.92	46
## 412	No	Product Development	Senior Manager	73545.08	46
## 413	No	Sales	Manager	76077.47	51
## 414	No	Research	Associate	37848.04	49
## 415	Yes	Product Development	Director	117647.98	54
## 416	No	Marketing	Vice President	203186.08	43
## 417	No	Research	Director	120444.86	47
## 418	Yes	Marketing	Associate	39174.21	59
## 419	No	Product Development	Associate	34865.91	48
## 420	No	Product Development	Director	114457.65	46
## 421	No	Research	Manager	78547.03	49
## 422	No	Research	Manager	70254.43	51
## 423	No	Research	Senior Manager	90020.15	50
## 424	No	IT and Analytics	Senior Manager	88191.30	50
## 425	Yes	IT and Analytics	Manager	70344.20	60
## 426	Yes	Sales	Associate	40239.67	65
## 427	Yes	Product Development	Senior Manager	92964.76	58
## 428	No	Sales	Director	131303.65	49



## 429	No	Sales	Director	120022.82	51
## 430	No	IT and Analytics	Associate	34484.25	48
## 431	Yes	Product Development	Associate	43042.03	59
## 432	Yes	Product Development	Director	114520.86	62
## 433	No	Sales	Director	124476.28	47
## 434	No	IT and Analytics	Senior Manager	86184.85	49
## 435	No	Research	Senior Manager	93105.45	47
## 436	No	Sales	Senior Manager	82523.64	52
## 437	No	Sales	Associate	45015.04	51
## 438	No	IT and Analytics	Senior Manager	78161.40	49
## 439	No	Research	Senior Manager	105089.79	51
## 440	No	Marketing	Manager	64513.39	44
## 441	No	Product Development	Senior Manager	76947.77	44
## 442	No	IT and Analytics	Senior Manager	85369.50	43
## 443	No	Marketing	Director	119933.19	52
## 444	No	Research	Senior Manager	84994.45	52
## 445	Yes	Sales	Senior Manager	85275.50	57
## 446	No	Research	Senior Manager	95146.85	50
## 447	No	IT and Analytics	Director	113697.74	51
## 448	No	Product Development	Vice President	189928.83	55
## 449	No	Marketing	Senior Manager	92666.43	53
## 450	No	Research	Director	111409.14	49
## 451	No	Sales	Manager	50335.65	46
## 452	No	IT and Analytics	Associate	46043.58	54
## 453	No	IT and Analytics	Associate	40833.56	47
## 454	No	Product Development	Senior Manager	77160.85	48
## 455	No	Sales	Associate	41259.92	54
## 456	No	IT and Analytics	Vice President	171085.87	48
## 457	No	Marketing	Vice President	191915.05	45
## 458	No	IT and Analytics	Associate	38033.28	55
## 459	No	Product Development	Director	128658.29	43
## 460	No	IT and Analytics	Director	123535.32	47
## 461	Yes	Marketing	Director	127946.09	59
## 462	No	Research	Senior Manager	97409.68	45
## 463	Yes	Finance and Operations	Senior Manager	92324.56	55
## 464	Yes	Finance and Operations	Associate	43283.63	58
## 465	No	Product Development	Associate	32443.79	48
## 466	No	Marketing	Senior Manager	97943.31	50
## 467	No	Sales	Senior Manager	88017.89	46
## 468	No	IT and Analytics	Senior Manager	90461.13	52
## 469	No	Sales	Vice President	181520.72	42
## 470	No	Research	Senior Manager	91205.32	48
## 471	No	IT and Analytics	Senior Manager	101127.41	47
## 472	Yes	Sales	Associate	42927.09	57
## 473	No	IT and Analytics	Associate	34414.92	51
## 474	No	IT and Analytics	Vice President	182893.81	49
## 475	Yes	Product Development	Manager	61955.93	57
## 476	No	IT and Analytics	Director	115967.99	49
## 477	No	Research	Manager	63745.97	49
## 478	No	Product Development	Senior Manager	81120.32	47
## 479	Yes	Sales	Director	128490.47	62
## 480	No	Product Development	Director	122812.30	50
## 481	No	Marketing	Senior Manager	85606.00	47
## 482	No	Research	Senior Manager	81509.28	46

## 483	No	Marketing	Senior Manager	107724.99	49
## 484	No	IT and Analytics	Vice President	185893.34	42
## 485	No	Product Development	Manager	75146.46	46
## 486	No	Marketing	Senior Manager	93696.78	48
## 487	Yes	Product Development	Associate	44074.56	58
## 488	No	Research	Director	121791.55	49
## 489	No	IT and Analytics	Manager	70834.70	46
## 490	No	Research	Manager	74530.35	47
## 491	No	Finance and Operations	Manager	80531.52	55
## 492	Yes	Sales	Vice President	178503.80	58
## 493	No	Product Development	Director	120152.45	45
## 494	No	Research	Senior Manager	86365.57	45
## 495	No	IT and Analytics	Senior Manager	78351.84	49
## 496	No	Product Development	Manager	76165.97	45
## 497	No	Product Development	Senior Manager	95510.74	48
## 498	No	Research	Manager	71150.95	46
## 499	No	Marketing	Manager	65444.37	47
## 500	No	Research	Senior Manager	89518.68	45
## 501	Yes	Finance and Operations	Associate	42492.22	59
## 502	No	Marketing	Director	110939.94	46
## 503	No	Product Development	Vice President	195345.35	45
## 504	No	Research	Director	122685.67	42
## 505	No	Marketing	Associate	37230.25	51
## 506	No	Research	Director	119616.60	49
## 507	No	Marketing	Senior Manager	80321.90	53
## 508	No	Marketing	Senior Manager	92953.64	47
## 509	Yes	Sales	Manager	67087.98	56
## 510	No	Research	Vice President	170351.90	45
## 511	No	IT and Analytics	Senior Manager	91732.94	49
## 512	No	Sales	Senior Manager	92139.39	45
## 513	No	Sales	Vice President	192416.17	45
## 514	No	IT and Analytics	Vice President	182882.15	48
## 515	No	Product Development	Director	129812.40	48
## 516	No	Sales	Director	124340.85	53
## 517	No	Sales	Associate	41985.50	48
## 518	No	Product Development	Manager	67006.76	48
## 519	No	Research	Manager	72757.54	48
## 520	No	IT and Analytics	Manager	67835.07	51
## 521	No	Marketing	Senior Manager	92108.77	48
## 522	No	IT and Analytics	Director	117213.85	47
## 523	No	Research	Manager	68726.29	52
## 524	No	Research	Senior Manager	88212.77	46
## 525	No	Research	Director	122363.54	53
## 526	Yes	Finance and Operations	Manager	83236.02	58
## 527	No	Product Development	Senior Manager	97362.99	46
## 528	No	Research	Director	125356.66	49
## 529	No	Sales	Senior Manager	97363.88	40
## 530	No	Research	Senior Manager	82635.21	49
## 531	No	IT and Analytics	Director	123392.08	48
## 532	No	Product Development	Vice President	173106.93	49
## 533	No	Product Development	Senior Manager	100317.10	50
## 534	Yes	Product Development	Senior Manager	89844.61	55
## 535	No	Finance and Operations	Senior Manager	89013.34	47
## 536	No	Marketing	Senior Manager	82281.80	53

## 537	No	IT and Analytics	Senior Manager	90698.33	50
## 538	No	Marketing	Senior Manager	94321.74	48
## 539	No	Marketing	Manager	62391.23	51
## 540	No	IT and Analytics	Manager	55826.66	51
## 541	No	Sales	Manager	84337.55	50
## 542	No	Sales	Director	129060.93	50
## 543	No	IT and Analytics	Senior Manager	88096.12	50
## 544	No	Research	Associate	39336.71	49
## 545	No	Research	Senior Manager	94819.37	49
## 546	No	Finance and Operations	Director	129969.48	45
## 547	No	Marketing	Director	120089.17	50
## 548	No	IT and Analytics	Senior Manager	95063.43	48
## 549	No	Marketing	Senior Manager	87437.79	42
## 550	No	Research	Associate	35669.01	46
## 551	No	IT and Analytics	Manager	80085.02	55
## 552	Yes	Marketing	Manager	73137.99	62
## 553	No	IT and Analytics	Manager	73126.89	45
## 554	No	IT and Analytics	Senior Manager	93285.11	51
## 555	No	Product Development	Senior Manager	94089.24	48
## 556	No	Product Development	Director	113377.62	46
## 557	No	IT and Analytics	Associate	45550.18	50
## 558	No	Sales	Director	119981.24	48
## 559	No	Sales	Director	118269.47	48
## 560	No	Product Development	Senior Manager	97894.04	48
## 561	Yes	Marketing	Associate	44423.70	66
## 562	No	IT and Analytics	Manager	72646.39	47
## 563	No	Product Development	Associate	43786.90	48
## 564	No	IT and Analytics	Manager	69148.34	46
## 565	No	Marketing	Director	114919.79	47
## 566	No	Research	Manager	65314.28	48
## 567	No	Marketing	Director	123790.06	45
## 568	Yes	Research	Director	119443.17	62
## 569	No	Sales	Associate	40671.06	42
## 570	No	Sales	Senior Manager	88844.97	51
## 571	No	Marketing	Director	112763.53	49
## 572	No	IT and Analytics	Vice President	164815.53	48
## 573	Yes	Sales	Associate	40356.86	61
## 574	No	Sales	Senior Manager	87385.06	50
## 575	No	IT and Analytics	Director	119922.42	50
## 576	No	Research	Director	120102.29	46
## 577	No	Sales	Senior Manager	93603.98	51
## 578	No	Sales	Director	115909.40	47
## 579	No	Research	Senior Manager	87297.19	46
## 580	No	Sales	Director	116284.69	51
## 581	No	Research	Associate	33276.54	49
## 582	No	Finance and Operations	Director	124516.23	49
## 583	No	Research	Director	119657.44	49
## 584	No	Research	Senior Manager	84913.36	48
## 585	No	Sales	Vice President	197965.06	52
## 586	No	Sales	Vice President	178303.60	48
## 587	No	Marketing	Director	128020.67	47
## 588	No	Sales	Senior Manager	77848.11	51
## 589	Yes	Product Development	Manager	63276.13	64
## 590	No	Sales	Vice President	173969.73	48

## 591	No	Research	Director	123233.15	48
## 592	No	Product Development	Director	104820.34	45
## 593	No	Product Development	Associate	43956.85	48
## 594	No	IT and Analytics	Associate	34200.08	52
## 595	Yes	Finance and Operations	Associate	40553.01	63
## 596	No	Marketing	Director	120478.65	43
## 597	No	Research	Director	116307.65	50
## 598	No	IT and Analytics	Manager	71211.77	51
## 599	No	Marketing	Senior Manager	93094.86	45
## 600	No	IT and Analytics	Director	124089.88	50
## 601	No	Finance and Operations	Vice President	188472.50	54
## 602	No	IT and Analytics	Senior Manager	79702.15	48
## 603	No	Finance and Operations	Senior Manager	103648.31	45
## 604	No	Research	Senior Manager	110367.60	42
## 605	Yes	Sales	Senior Manager	93471.76	61
## 606	Yes	Sales	Associate	38538.66	57
## 607	No	Research	Senior Manager	89414.37	47
## 608	No	Sales	Senior Manager	90660.74	53
## 609	No	Product Development	Director	124537.85	51
## 610	No	IT and Analytics	Director	118325.16	49
## 611	No	Finance and Operations	Manager	77671.45	50
## 612	No	Product Development	Director	124162.06	47
## 613	No	Product Development	Associate	42117.40	42
## 614	No	Research	Senior Manager	92949.69	55
## 615	No	Marketing	Director	105939.19	54
## 616	No	Sales	Senior Manager	67981.14	51
## 617	No	Finance and Operations	Vice President	172340.43	46
## 618	No	IT and Analytics	Manager	71290.62	44
## 619	No	IT and Analytics	Senior Manager	88899.35	45
## 620	No	IT and Analytics	Director	121171.70	45
## 621	No	Research	Senior Manager	92128.40	47
## 622	No	IT and Analytics	Senior Manager	86440.25	47
## 623	No	Marketing	Manager	67349.19	49
## 624	No	Research	Manager	73535.60	49
## 625	No	IT and Analytics	Associate	49069.78	52
## 626	No	Product Development	Vice President	161327.70	51
## 627	Yes	Sales	Vice President	178782.17	58
## 628	No	Research	Senior Manager	90588.47	46
## 629	No	Marketing	Manager	69888.14	47
## 630	No	IT and Analytics	Manager	67752.27	48
## 631	No	Finance and Operations	Associate	42845.59	45
## 632	No	IT and Analytics	Director	124420.72	52
## 633	No	Sales	Associate	37234.55	50
## 634	No	Research	Senior Manager	87487.46	52
## 635	No	Research	Senior Manager	90966.48	48
## 636	No	Research	Senior Manager	84411.52	54
## 637	No	Research	Vice President	184144.56	47
## 638	No	IT and Analytics	Senior Manager	88836.00	49
## 639	No	IT and Analytics	Senior Manager	91745.97	45
## 640	No	Research	Senior Manager	96100.24	41
## 641	No	IT and Analytics	Associate	41283.48	46
## 642	No	Product Development	Vice President	172375.08	43
## 643	No	Marketing	Manager	73879.40	50
## 644	No	Research	Director	122052.34	49

## 645	No	Product Development	Director	122376.31	51
## 646	No	Marketing	Senior Manager	85569.27	47
## 647	No	Research	Manager	69766.07	48
## 648	No	Research	Manager	66944.74	52
## 649	Yes	Sales	Manager	73598.53	56
## 650	No	Research	Manager	67174.18	50
## 651	No	IT and Analytics	Senior Manager	90858.69	46
## 652	No	Marketing	Manager	69638.42	47
## 653	No	Marketing	Senior Manager	104988.64	51
## 654	No	Product Development	Senior Manager	104427.50	52
## 655	No	Sales	Manager	79199.61	51
## 656	No	IT and Analytics	Vice President	177634.31	48
## 657	Yes	Finance and Operations	Director	117529.17	54
## 658	No	IT and Analytics	Associate	36913.31	46
## 659	No	IT and Analytics	Senior Manager	92764.64	51
## 660	No	IT and Analytics	Vice President	166164.98	54
## 661	No	Sales	Manager	70513.32	52
## 662	No	Sales	Senior Manager	83651.37	50
## 663	No	Product Development	Senior Manager	79428.86	51
## 664	No	Sales	Manager	75760.31	44
## 665	No	Research	Senior Manager	81140.23	46
## 666	No	IT and Analytics	Director	118983.20	47
## 667	No	Research	Director	118821.64	45
## 668	No	Research	Associate	38353.51	49
## 669	No	Research	Manager	70104.83	48
## 670	No	Sales	Manager	62310.99	47
## 671	No	Research	Senior Manager	87500.77	51
## 672	No	IT and Analytics	Director	123378.67	42
## 673	No	Research	Manager	70500.48	53
## 674	No	Product Development	Manager	64367.58	49
## 675	No	IT and Analytics	Director	125277.64	51
## 676	Yes	Sales	Associate	37443.11	60
## 677	No	Research	Manager	60286.84	50
## 678	No	IT and Analytics	Director	121628.74	48
## 679	No	Sales	Manager	71863.51	47
## 680	No	IT and Analytics	Associate	42698.81	49
## 681	No	Product Development	Director	121131.98	45
## 682	No	Research	Senior Manager	85061.36	55
## 683	No	IT and Analytics	Senior Manager	78870.25	46
## 684	No	IT and Analytics	Manager	68110.30	49
## 685	No	Research	Manager	72848.04	55
## 686	Yes	Marketing	Manager	70860.08	61
## 687	No	Marketing	Senior Manager	85956.73	48
## 688	No	Marketing	Manager	73959.66	47
## 689	No	Sales	Associate	38184.90	45
## 690	No	Product Development	Senior Manager	93770.25	46
## 691	No	Finance and Operations	Associate	37473.13	51
## 692	No	Research	Associate	37438.70	55
## 693	No	Finance and Operations	Senior Manager	85979.51	47
## 694	Yes	Finance and Operations	Manager	71226.03	60
## 695	No	Marketing	Senior Manager	94391.91	49
## 696	No	Finance and Operations	Senior Manager	96432.61	47
## 697	No	Marketing	Vice President	180127.13	50
## 698	No	IT and Analytics	Senior Manager	81311.92	49

## 699	No	Marketing	Vice President	181043.34	51
## 700	No	Research	Senior Manager	79451.31	48
## 701	No	Marketing	Senior Manager	92033.49	48
## 702	No	Marketing	Senior Manager	96520.41	47
## 703	No	Sales	Senior Manager	81178.04	47
## 704	No	Sales	Senior Manager	89572.24	49
## 705	No	Finance and Operations	Senior Manager	76133.97	50
## 706	No	Marketing	Senior Manager	88722.14	49
## 707	No	IT and Analytics	Director	125173.86	49
## 708	Yes	Sales	Associate	37529.11	60
## 709	No	Marketing	Senior Manager	92961.21	50
## 710	No	Sales	Director	119629.23	45
## 711	No	Sales	Senior Manager	75316.15	46
## 712	No	Research	Manager	69898.74	45
## 713	No	IT and Analytics	Vice President	160605.07	42
## 714	Yes	Marketing	Associate	35987.18	55
## 715	Yes	IT and Analytics	Vice President	167621.78	58
## 716	No	Marketing	Senior Manager	74971.23	47
## 717	No	Research	Director	125890.68	47
## 718	No	Finance and Operations	Director	118239.91	54
## 719	No	Product Development	Senior Manager	102234.92	47
## 720	No	IT and Analytics	Director	116179.46	57
## 721	No	Finance and Operations	Director	112604.41	50
## 722	No	Research	Director	122461.63	47
## 723	No	Sales	Manager	77057.78	49
## 724	Yes	IT and Analytics	Manager	73362.09	60
## 725	No	Sales	Director	122820.53	46
## 726	Yes	Product Development	Senior Manager	82548.84	58
## 727	No	Marketing	Senior Manager	91499.57	46
## 728	No	IT and Analytics	Manager	86804.42	46
## 729	No	Sales	Manager	68412.28	53
## 730	No	Research	Senior Manager	95217.61	50
## 731	No	IT and Analytics	Senior Manager	105034.88	44
## 732	No	Sales	Director	111718.45	53
## 733	No	Marketing	Vice President	195197.70	43
## 734	No	Marketing	Director	128069.76	46
## 735	No	IT and Analytics	Senior Manager	98240.17	55
## 736	No	IT and Analytics	Director	119604.93	49
## 737	No	Marketing	Senior Manager	88196.76	48
## 738	No	Sales	Senior Manager	96701.96	49
## 739	No	Finance and Operations	Senior Manager	96744.91	53
## 740	No	Product Development	Manager	74982.21	44
## 741	No	Marketing	Senior Manager	96752.66	46
## 742	Yes	Finance and Operations	Manager	56461.39	58
## 743	No	Marketing	Senior Manager	82634.05	47
## 744	No	IT and Analytics	Senior Manager	84540.68	43
## 745	No	Research	Director	111650.78	43
## 746	No	Product Development	Senior Manager	89692.72	50
## 747	Yes	Product Development	Manager	70122.98	59
## 748	No	Finance and Operations	Associate	37115.29	51
## 749	No	Marketing	Senior Manager	88437.42	46
## 750	Yes	Finance and Operations	Senior Manager	96908.92	64
## 751	No	Sales	Senior Manager	97552.39	47
## 752	No	Research	Director	107741.60	47

## 753	Yes	IT and Analytics	Associate	36940.05	54
## 754	Yes	Sales	Manager	53478.81	55
## 755	No	Research	Director	116260.10	52
## 756	No	IT and Analytics	Senior Manager	89123.41	44
## 757	No	IT and Analytics	Manager	72249.63	47
## 758	No	IT and Analytics	Director	114868.46	49
## 759	No	Sales	Senior Manager	92540.06	47
## 760	No	IT and Analytics	Manager	60593.24	51
## 761	No	Product Development	Manager	69256.52	50
## 762	No	Research	Vice President	177264.29	48
## 763	No	Product Development	Director	125489.96	48
## 764	No	Sales	Director	115112.38	51
## 765	No	Marketing	Senior Manager	95289.48	45
## 766	No	Sales	Senior Manager	71760.60	49
## 767	No	Research	Director	120412.75	50
## 768	No	IT and Analytics	Director	129885.40	48
## 769	No	IT and Analytics	Manager	60613.78	54
## 770	No	Sales	Associate	34217.76	52
## 771	No	IT and Analytics	Senior Manager	87055.50	46
## 772	No	Research	Manager	66936.34	52
## 773	No	IT and Analytics	Manager	63946.42	48
## 774	No	Marketing	Manager	71526.41	45
## 775	Yes	Marketing	Associate	41859.54	54
## 776	No	IT and Analytics	Senior Manager	93849.17	49
## 777	Yes	Sales	Senior Manager	98366.90	57
## 778	No	IT and Analytics	Manager	69989.23	46
## 779	No	Research	Senior Manager	87879.84	48
## 780	Yes	Sales	Manager	64353.98	60
## 781	No	Research	Senior Manager	82753.17	55
## 782	No	IT and Analytics	Manager	60879.54	48
## 783	No	Marketing	Director	108091.22	49
## 784	No	Marketing	Director	123338.97	44
## 785	No	IT and Analytics	Director	117305.99	49
## 786	No	Product Development	Senior Manager	93574.78	44
## 787	No	Product Development	Senior Manager	100881.71	42
## 788	No	Research	Director	123537.76	53
## 789	No	Product Development	Director	121097.14	51
## 790	No	Research	Senior Manager	91283.03	43
## 791	No	Product Development	Senior Manager	86220.64	48
## 792	No	IT and Analytics	Manager	70370.65	50
## 793	No	Finance and Operations	Director	114984.09	50
## 794	No	Marketing	Associate	39240.04	51
## 795	No	Marketing	Manager	62361.25	48
## 796	Yes	Marketing	Manager	63876.58	57
## 797	No	Sales	Senior Manager	103612.78	50
## 798	Yes	IT and Analytics	Associate	45989.35	58
## 799	No	IT and Analytics	Director	112409.37	50
## 800	No	IT and Analytics	Senior Manager	103786.59	52
## 801	No	Research	Director	120130.95	48
## 802	No	IT and Analytics	Manager	70405.96	49
## 803	No	Sales	Manager	76544.48	47
## 804	No	Research	Vice President	196374.74	47
## 805	No	IT and Analytics	Senior Manager	99089.35	49
## 806	No	Research	Manager	70847.96	48

## 807	No	IT and Analytics	Director	113696.34	50
## 808	No	Marketing	Director	126978.10	43
## 809	No	Research	Vice President	193377.07	50
## 810	Yes	IT and Analytics	Manager	71713.83	58
## 811	No	Marketing	Senior Manager	92201.61	44
## 812	No	Sales	Manager	71145.01	44
## 813	No	Research	Vice President	201305.51	44
## 814	No	IT and Analytics	Senior Manager	102657.63	46
## 815	No	Research	Senior Manager	90011.81	50
## 816	Yes	Product Development	Manager	68143.46	60
## 817	No	Marketing	Vice President	167817.86	42
## 818	No	Sales	Manager	61102.25	50
## 819	No	Marketing	Senior Manager	88142.89	56
## 820	Yes	Finance and Operations	Senior Manager	87685.41	58
## 821	No	Research	Director	121156.53	42
## 822	No	IT and Analytics	Manager	78620.99	44
## 823	No	Sales	Associate	32305.94	50
## 824	No	Product Development	Director	123273.13	51
## 825	No	Sales	Director	116043.99	48
## 826	No	IT and Analytics	Director	111506.44	41
## 827	No	Product Development	Associate	35864.83	49
## 828	No	IT and Analytics	Director	120644.59	53
## 829	No	Sales	Senior Manager	94411.17	48
## 830	No	Research	Director	114792.15	45
## 831	No	Sales	Senior Manager	88088.82	47
## 832	No	Finance and Operations	Manager	76615.05	49
## 833	Yes	Finance and Operations	Associate	38511.04	58
## 834	No	Research	Director	124953.22	49
## 835	No	IT and Analytics	Senior Manager	77840.11	45
## 836	Yes	Sales	Manager	69436.93	60
## 837	No	Marketing	Manager	68127.01	49
## 838	No	IT and Analytics	Senior Manager	90048.95	44
## 839	Yes	Finance and Operations	Associate	45208.55	61
## 840	No	Product Development	Manager	76099.08	48
## 841	Yes	Sales	Associate	37359.40	65
## 842	No	Product Development	Vice President	172742.44	49
## 843	No	IT and Analytics	Vice President	152650.79	44
## 844	No	Marketing	Manager	82498.17	53
## 845	No	Finance and Operations	Manager	68482.16	51
## 846	No	IT and Analytics	Senior Manager	101409.67	49
## 847	No	Marketing	Senior Manager	88771.26	47
## 848	No	IT and Analytics	Associate	42154.68	54
## 849	Yes	Product Development	Manager	81185.87	55
## 850	No	Research	Associate	38148.63	48
## 851	No	Finance and Operations	Vice President	184025.27	46
## 852	No	IT and Analytics	Director	114364.21	50
## 853	No	Marketing	Senior Manager	93891.16	50
## 854	No	Product Development	Senior Manager	78755.41	51
## 855	Yes	IT and Analytics	Manager	58778.40	60
## 856	No	IT and Analytics	Senior Manager	83314.38	50
## 857	Yes	Sales	Manager	60059.69	63
## 858	Yes	Marketing	Director	121159.14	59
## 859	No	IT and Analytics	Manager	65176.81	49
## 860	No	Product Development	Senior Manager	87143.75	48



## 861	No	IT and Analytics	Senior Manager	79767.10	54
## 862	No	IT and Analytics	Senior Manager	91566.62	48
## 863	Yes	Sales	Manager	71004.40	55
## 864	Yes	Product Development	Director	114304.55	61
## 865	No	Sales	Director	116509.56	48
## 866	No	Marketing	Director	116782.33	49
## 867	Yes	Research	Associate	41178.98	58
## 868	No	Product Development	Vice President	175144.45	47
## 869	Yes	Finance and Operations	Associate	44663.37	63
## 870	Yes	Sales	Manager	68282.38	56
## 871	No	Sales	Director	118212.71	46
## 872	No	Product Development	Director	108868.57	51
## 873	Yes	Product Development	Associate	43108.37	62
## 874	No	Finance and Operations	Director	124657.65	50
## 875	Yes	IT and Analytics	Manager	67643.46	53
## 876	No	IT and Analytics	Senior Manager	87038.19	53
## 877	Yes	Product Development	Manager	77175.36	53
## 878	Yes	Sales	Manager	74324.68	62
## 879	Yes	IT and Analytics	Manager	66759.02	60
## 880	No	Research	Senior Manager	81375.69	48
## 881	No	Marketing	Director	114721.33	55
## 882	No	IT and Analytics	Director	107177.84	48
## 883	No	IT and Analytics	Director	121519.22	54
## 884	No	IT and Analytics	Senior Manager	76200.15	51
## 885	Yes	Product Development	Manager	80208.77	57
## 886	No	IT and Analytics	Director	120562.20	47
## 887	No	IT and Analytics	Senior Manager	94534.70	45
## 888	Yes	Sales	Manager	60988.75	59
## 889	No	IT and Analytics	Vice President	177485.88	50
## 890	No	Marketing	Senior Manager	86021.97	47
## 891	No	IT and Analytics	Director	122057.33	49
## 892	No	Research	Manager	69385.90	49
## 893	No	Sales	Director	117116.10	50
## 894	No	Sales	Manager	58113.91	44
## 895	No	IT and Analytics	Director	116612.27	49
## 896	No	Product Development	Senior Manager	98202.06	46
## 897	No	Marketing	Manager	76057.24	46
## 898	No	IT and Analytics	Senior Manager	91334.73	50
## 899	No	Finance and Operations	Vice President	191106.19	51
## 900	No	Sales	Vice President	182421.88	51
## 901	No	IT and Analytics	Senior Manager	91606.68	51
## 902	No	Sales	Senior Manager	94908.55	47
## 903	No	Product Development	Senior Manager	84186.90	48
## 904	Yes	Product Development	Manager	66158.83	60
## 905	No	Sales	Associate	35611.61	49
## 906	No	Sales	Director	117368.60	48
## 907	No	IT and Analytics	Senior Manager	88930.11	50
## 908	No	IT and Analytics	Manager	79599.78	52
## 909	No	Research	Manager	71867.69	50
## 910	No	Finance and Operations	Senior Manager	93434.90	48
## 911	No	Research	Associate	45338.29	48
## 912	No	Research	Senior Manager	89164.43	51
## 913	No	IT and Analytics	Associate	47043.43	50
## 914	No	Finance and Operations	Director	123652.73	48

## 915	No	Product Development	Manager	70799.34	54
## 916	No	Research	Manager	68519.26	49
## 917	No	Marketing	Director	126568.89	47
## 918	No	IT and Analytics	Director	124606.34	44
## 919	No	IT and Analytics	Associate	38327.53	47
## 920	No	IT and Analytics	Manager	67413.60	44
## 921	No	IT and Analytics	Senior Manager	91034.84	49
## 922	No	Sales	Senior Manager	98385.23	50
## 923	No	Marketing	Manager	79386.66	47
## 924	No	Product Development	Senior Manager	93904.69	50
## 925	No	IT and Analytics	Senior Manager	88127.58	48
## 926	No	Research	Manager	73193.29	49
## 927	No	Sales	Senior Manager	84408.64	47
## 928	No	IT and Analytics	Senior Manager	85550.44	54
## 929	No	Research	Senior Manager	105000.27	47
## 930	Yes	Sales	Manager	64525.07	59
## 931	No	Research	Vice President	202111.17	53
## 932	No	Finance and Operations	Vice President	212134.70	49
## 933	Yes	Marketing	Associate	35290.63	60
## 934	No	Research	Senior Manager	75834.88	43
## 935	No	IT and Analytics	Senior Manager	87183.95	47
## 936	No	IT and Analytics	Senior Manager	81249.63	48
## 937	No	Research	Vice President	163287.76	50
## 938	Yes	Sales	Associate	42588.93	56
## 939	No	IT and Analytics	Manager	69311.43	48
## 940	No	Research	Manager	70601.52	44
## 941	No	Research	Director	117326.66	47
## 942	No	Finance and Operations	Senior Manager	100409.87	52
## 943	Yes	Marketing	Manager	54574.55	58
## 944	No	IT and Analytics	Director	125869.45	47
## 945	No	Sales	Associate	43149.48	58
## 946	No	Finance and Operations	Senior Manager	93196.17	47
## 947	No	Marketing	Manager	72783.72	47
## 948	No	IT and Analytics	Director	125398.30	44
## 949	No	IT and Analytics	Manager	64323.83	49
## 950	No	Sales	Associate	37837.29	47
## 951	Yes	Product Development	Manager	74262.99	55
## 952	Yes	Sales	Manager	65077.04	60
## 953	Yes	Research	Director	115740.98	57
## 954	No	Sales	Senior Manager	85576.44	42
## 955	No	Sales	Senior Manager	83220.37	47
## 956	No	Finance and Operations	Manager	76006.46	49
## 957	No	Finance and Operations	Manager	64558.45	50
## 958	No	Marketing	Senior Manager	111266.35	44
## 959	No	IT and Analytics	Director	117279.94	48
## 960	No	Sales	Vice President	169930.46	48
## 961	No	Research	Senior Manager	82867.83	49
## 962	No	IT and Analytics	Manager	67667.74	56
## 963	Yes	Sales	Associate	41989.60	53
## 964	No	IT and Analytics	Senior Manager	83418.89	49
## 965	No	Finance and Operations	Director	120360.72	52
## 966	No	Research	Director	115994.80	48
## 967	No	IT and Analytics	Manager	66590.28	53
## 968	No	Marketing	Associate	35551.47	45

## 969	No	Product Development	Director	124458.36	45
## 970	No	IT and Analytics	Senior Manager	100237.00	48
## 971	No	Sales	Senior Manager	93011.74	51
## 972	No	IT and Analytics	Director	126057.05	49
## 973	No	Marketing	Senior Manager	98882.29	50
## 974	Yes	Product Development	Vice President	182174.04	58
## 975	No	Product Development	Associate	44755.60	45
## 976	No	IT and Analytics	Manager	73332.08	48
## 977	No	Research	Manager	73279.77	48
## 978	No	IT and Analytics	Director	114380.96	47
## 979	Yes	Sales	Senior Manager	95474.97	55
## 980	No	Research	Senior Manager	97871.32	43
## 981	No	Marketing	Senior Manager	87570.43	54
## 982	No	Sales	Director	125228.84	48
## 983	No	Research	Senior Manager	84982.22	48
## 984	No	Marketing	Manager	73141.97	49
## 985	No	IT and Analytics	Manager	66569.74	44
## 986	No	IT and Analytics	Director	125440.62	49
## 987	No	Marketing	Senior Manager	101261.86	50
## 988	No	IT and Analytics	Director	131676.48	53
## 989	No	IT and Analytics	Associate	43126.09	46
## 990	No	Research	Vice President	187762.95	46
## 991	No	Research	Associate	33319.22	52
## 992	No	Product Development	Senior Manager	94545.97	53
## 993	Yes	Sales	Associate	41816.97	65
## 994	No	Research	Director	112903.75	44
## 995	No	Product Development	Senior Manager	86920.93	55
## 996	No	Product Development	Manager	63182.68	45
## 997	No	Sales	Senior Manager	85998.85	50
## 998	No	Product Development	Manager	75314.87	44
## 999	No	Marketing	Associate	45208.09	44
## 1000	No	Research	Senior Manager	101440.96	49
## 1001	Yes	Finance and Operations	Senior Manager	83054.80	60
## 1002	No	IT and Analytics	Manager	61870.19	44
## 1003	No	IT and Analytics	Senior Manager	89361.46	50
## 1004	No	IT and Analytics	Manager	59268.99	51
## 1005	No	Research	Senior Manager	80482.28	55
## 1006	No	Research	Director	114905.71	44
## 1007	No	Research	Senior Manager	97504.13	47
## 1008	No	IT and Analytics	Senior Manager	83902.52	46
## 1009	No	Research	Manager	62879.51	48
## 1010	No	Finance and Operations	Manager	72349.26	50
## 1011	No	IT and Analytics	Senior Manager	79319.11	49
## 1012	No	Research	Manager	62995.13	51
## 1013	No	Research	Senior Manager	88283.15	44
## 1014	No	Research	Director	122721.92	45
## 1015	No	IT and Analytics	Manager	68786.79	46
## 1016	No	Finance and Operations	Director	124622.29	47
## 1017	No	Finance and Operations	Senior Manager	89186.37	45
## 1018	No	Sales	Senior Manager	98598.16	45
## 1019	No	IT and Analytics	Senior Manager	93728.49	53
## 1020	Yes	Research	Manager	71421.18	57
## 1021	No	IT and Analytics	Vice President	181631.68	44
## 1022	Yes	Sales	Vice President	195910.44	58

## 1023	No	Sales	Senior Manager	93138.31	46
## 1024	Yes	Marketing	Associate	39303.92	63
## 1025	No	IT and Analytics	Senior Manager	90616.87	50
## 1026	No	Research	Manager	69361.86	43
## 1027	No	Research	Vice President	188960.24	48
## 1028	No	Marketing	Manager	60609.65	47
## 1029	No	Product Development	Manager	80228.56	49
##	business_travel	yrs_at_company	yrs_since_promotion	previous_companies	
## 1	Rarely	1	0	2	
## 2	Rarely	4	1	3	
## 3	Rarely	5	1	3	
## 4	Rarely	18	12	2	
## 5	Rarely	8	7	2	
## 6	Rarely	2	2	4	
## 7	Rarely	8	1	4	
## 8	Rarely	9	1	3	
## 9	Rarely	9	3	3	
## 10	None	5	1	3	
## 11	Rarely	10	0	2	
## 12	Rarely	6	1	6	
## 13	Rarely	22	14	6	
## 14	Rarely	1	0	3	
## 15	Rarely	9	7	3	
## 16	None	1	0	5	
## 17	Rarely	26	1	3	
## 18	Rarely	15	5	3	
## 19	Rarely	5	0	3	
## 20	Frequently	11	4	1	
## 21	Frequently	10	0	2	
## 22	Rarely	7	7	4	
## 23	Rarely	7	7	3	
## 24	Frequently	7	0	1	
## 25	Frequently	9	2	3	
## 26	Frequently	2	2	1	
## 27	Frequently	1	1	1	
## 28	None	7	0	1	
## 29	Rarely	2	2	3	
## 30	Rarely	3	1	3	
## 31	Rarely	5	0	3	
## 32	Frequently	2	2	1	
## 33	Rarely	10	7	3	
## 34	Frequently	15	6	1	
## 35	Frequently	18	11	3	
## 36	Rarely	2	2	3	
## 37	Rarely	22	13	2	
## 38	Rarely	6	1	3	
## 39	Rarely	2	2	6	
## 40	Rarely	5	1	3	
## 41	None	6	0	5	
## 42	Rarely	8	0	1	
## 43	None	9	0	4	
## 44	Rarely	1	0	3	
## 45	Rarely	5	1	3	
## 46	Rarely	5	1	2	

## 47	Rarely	7	0	3
## 48	Rarely	4	1	1
## 49	Rarely	6	1	3
## 50	Rarely	3	1	3
## 51	Rarely	7	1	2
## 52	Rarely	1	1	6
## 53	None	2	2	1
## 54	Rarely	10	5	5
## 55	Rarely	25	3	2
## 56	Rarely	33	0	2
## 57	Frequently	6	1	2
## 58	None	2	2	3
## 59	Rarely	2	2	3
## 60	Frequently	7	1	4
## 61	Frequently	7	0	6
## 62	Rarely	13	3	3
## 63	Frequently	9	3	4
## 64	Rarely	2	2	3
## 65	Rarely	3	0	6
## 66	Rarely	1	0	3
## 67	Frequently	7	0	3
## 68	Rarely	1	0	5
## 69	Rarely	5	1	5
## 70	Rarely	8	1	3
## 71	None	4	1	5
## 72	Rarely	2	2	3
## 73	Rarely	20	5	3
## 74	Rarely	1	0	2
## 75	Rarely	9	0	3
## 76	Rarely	8	6	6
## 77	Frequently	3	0	3
## 78	None	9	4	6
## 79	Rarely	22	12	1
## 80	Rarely	7	0	2
## 81	Rarely	26	15	2
## 82	Frequently	5	0	6
## 83	Rarely	11	5	5
## 84	None	5	0	3
## 85	Rarely	7	0	1
## 86	Rarely	1	0	3
## 87	Rarely	1	0	3
## 88	Rarely	10	1	4
## 89	Rarely	4	2	3
## 90	Frequently	2	0	2
## 91	Frequently	6	1	4
## 92	Rarely	10	0	7
## 93	Rarely	4	1	2
## 94	Rarely	12	11	3
## 95	Rarely	5	0	6
## 96	Rarely	10	4	3
## 97	Frequently	1	0	4
## 98	Frequently	9	0	5
## 99	Frequently	10	9	3
## 100	Rarely	18	4	2

## 101	Rarely	0	0	6
## 102	Rarely	5	0	2
## 103	Rarely	5	4	2
## 104	Rarely	5	1	3
## 105	Rarely	5	1	2
## 106	Rarely	20	1	3
## 107	Rarely	20	11	6
## 108	Rarely	7	0	2
## 109	Rarely	1	0	4
## 110	Rarely	2	2	5
## 111	Rarely	1	0	2
## 112	Frequently	5	1	3
## 113	Rarely	3	0	2
## 114	Rarely	2	2	4
## 115	Rarely	3	1	6
## 116	Rarely	6	1	3
## 117	Frequently	5	0	7
## 118	Rarely	6	0	3
## 119	Rarely	2	2	7
## 120	Frequently	3	1	2
## 121	Rarely	8	6	2
## 122	Rarely	5	0	5
## 123	Rarely	4	1	3
## 124	Rarely	1	1	5
## 125	Rarely	20	4	3
## 126	Rarely	1	0	1
## 127	Rarely	5	0	1
## 128	Rarely	16	5	2
## 129	Rarely	26	0	3
## 130	Rarely	5	0	4
## 131	Rarely	2	2	3
## 132	Rarely	4	0	5
## 133	Rarely	0	0	4
## 134	None	0	0	5
## 135	Rarely	5	0	6
## 136	Rarely	17	1	3
## 137	Rarely	3	1	3
## 138	Frequently	4	1	2
## 139	Frequently	6	0	3
## 140	Frequently	6	1	2
## 141	Rarely	2	2	1
## 142	Rarely	7	1	3
## 143	Rarely	5	1	2
## 144	Frequently	5	1	2
## 145	Rarely	5	0	3
## 146	Frequently	0	0	4
## 147	Rarely	5	0	3
## 148	Rarely	1	0	4
## 149	None	3	1	3
## 150	Rarely	4	0	7
## 151	None	10	1	6
## 152	Rarely	5	0	3
## 153	Frequently	24	9	6
## 154	Rarely	8	4	2

## 155	Rarely	4	3	3
## 156	Rarely	10	1	1
## 157	Rarely	3	1	7
## 158	None	7	5	3
## 159	Rarely	4	0	2
## 160	Rarely	9	1	6
## 161	None	0	0	3
## 162	Rarely	3	0	7
## 163	Rarely	9	7	2
## 164	Rarely	0	0	1
## 165	Rarely	9	4	3
## 166	Rarely	20	9	2
## 167	Rarely	9	4	1
## 168	Rarely	5	0	2
## 169	Rarely	8	7	3
## 170	Rarely	1	0	2
## 171	Rarely	3	2	6
## 172	Rarely	5	0	3
## 173	None	7	0	3
## 174	Rarely	5	1	2
## 175	Rarely	22	3	6
## 176	Rarely	5	1	2
## 177	Rarely	6	0	3
## 178	Rarely	17	11	2
## 179	Rarely	1	0	2
## 180	Rarely	10	0	3
## 181	Frequently	10	8	3
## 182	Frequently	3	0	1
## 183	Rarely	37	1	1
## 184	Rarely	3	2	2
## 185	Rarely	7	0	3
## 186	Frequently	30	12	2
## 187	Rarely	5	1	6
## 188	Rarely	2	2	2
## 189	Rarely	3	1	2
## 190	Rarely	0	0	3
## 191	None	9	1	2
## 192	Frequently	2	2	3
## 193	Rarely	13	5	6
## 194	Rarely	1	0	3
## 195	Rarely	16	0	5
## 196	Rarely	1	0	7
## 197	Frequently	15	6	2
## 198	Rarely	5	1	1
## 199	Rarely	22	11	2
## 200	Rarely	3	0	5
## 201	Frequently	5	0	3
## 202	Frequently	8	7	5
## 203	Rarely	1	0	2
## 204	None	5	3	5
## 205	Rarely	3	1	3
## 206	Rarely	14	5	5
## 207	Rarely	2	2	3
## 208	Rarely	5	1	1

## 209	Rarely	5	1	3
## 210	Frequently	2	2	3
## 211	Rarely	7	5	7
## 212	Rarely	2	2	4
## 213	None	5	1	3
## 214	Rarely	1	0	6
## 215	Rarely	4	1	1
## 216	Rarely	2	1	2
## 217	Rarely	12	11	7
## 218	Rarely	2	0	5
## 219	Rarely	1	0	2
## 220	Rarely	9	0	7
## 221	Rarely	2	0	1
## 222	None	13	4	6
## 223	Rarely	7	0	3
## 224	Rarely	8	1	2
## 225	None	6	1	2
## 226	Rarely	4	1	3
## 227	None	8	0	2
## 228	Frequently	1	0	4
## 229	Rarely	31	13	5
## 230	None	5	4	3
## 231	Rarely	13	3	2
## 232	Frequently	1	0	5
## 233	Rarely	4	0	4
## 234	None	33	15	3
## 235	Rarely	5	1	3
## 236	Frequently	4	1	2
## 237	Rarely	2	2	3
## 238	Rarely	5	0	3
## 239	Rarely	1	0	5
## 240	Rarely	1	0	1
## 241	Rarely	3	1	4
## 242	Frequently	9	0	6
## 243	None	6	3	4
## 244	Frequently	3	0	7
## 245	Rarely	5	1	3
## 246	Rarely	5	0	3
## 247	Rarely	8	7	5
## 248	Rarely	1	0	5
## 249	Frequently	7	7	3
## 250	Rarely	3	1	2
## 251	Rarely	7	0	6
## 252	Frequently	0	0	3
## 253	Rarely	19	15	1
## 254	Rarely	10	0	4
## 255	Rarely	15	5	6
## 256	Frequently	5	1	5
## 257	Rarely	6	1	1
## 258	Rarely	8	1	3
## 259	Rarely	2	2	2
## 260	Frequently	10	1	4
## 261	Rarely	1	0	3
## 262	Rarely	7	4	2



## 263	Frequently	9	1	3
## 264	Rarely	1	0	2
## 265	Rarely	10	9	3
## 266	Rarely	4	0	3
## 267	Frequently	6	1	2
## 268	Frequently	10	2	3
## 269	Rarely	2	2	3
## 270	Rarely	3	1	2
## 271	Rarely	10	7	4
## 272	Rarely	10	1	3
## 273	Rarely	2	2	4
## 274	Rarely	8	1	3
## 275	Rarely	5	1	7
## 276	Rarely	18	1	2
## 277	Rarely	1	0	3
## 278	Rarely	3	0	1
## 279	Rarely	3	1	3
## 280	Rarely	1	0	3
## 281	Frequently	6	0	2
## 282	Rarely	7	1	3
## 283	Rarely	9	1	4
## 284	Rarely	9	7	2
## 285	None	9	1	2
## 286	Rarely	14	4	4
## 287	Rarely	8	7	2
## 288	Rarely	9	7	2
## 289	Rarely	3	1	2
## 290	Rarely	6	0	7
## 291	Rarely	3	1	3
## 292	Rarely	8	7	5
## 293	None	21	5	5
## 294	Rarely	8	7	3
## 295	None	8	0	2
## 296	Rarely	6	0	3
## 297	Rarely	3	1	1
## 298	Rarely	2	2	1
## 299	Rarely	4	2	3
## 300	Frequently	2	2	3
## 301	None	3	1	3
## 302	Rarely	1	0	5
## 303	Rarely	4	0	5
## 304	Rarely	1	0	3
## 305	Rarely	2	0	3
## 306	Rarely	2	2	6
## 307	Frequently	2	2	3
## 308	Rarely	9	3	3
## 309	Rarely	7	0	2
## 310	Rarely	10	1	1
## 311	Rarely	5	0	2
## 312	Frequently	2	2	4
## 313	Rarely	1	0	2
## 314	Frequently	4	0	2
## 315	Rarely	4	0	2
## 316	Frequently	0	0	6

## 317	Rarely	5	1	7
## 318	Frequently	3	2	5
## 319	Rarely	3	0	3
## 320	Rarely	10	0	1
## 321	Frequently	20	4	2
## 322	Frequently	8	3	1
## 323	Rarely	10	3	1
## 324	Rarely	2	2	3
## 325	Rarely	3	0	5
## 326	Frequently	5	1	3
## 327	Rarely	5	0	3
## 328	Frequently	32	10	3
## 329	Rarely	7	7	5
## 330	Rarely	21	7	3
## 331	Rarely	5	1	3
## 332	Rarely	10	1	1
## 333	Rarely	6	0	2
## 334	Rarely	1	1	4
## 335	Rarely	1	0	5
## 336	Rarely	8	7	6
## 337	Rarely	20	15	2
## 338	Rarely	4	0	2
## 339	Rarely	5	4	2
## 340	None	3	2	1
## 341	Rarely	5	0	5
## 342	Rarely	0	0	3
## 343	Rarely	1	0	5
## 344	Rarely	10	0	2
## 345	Rarely	5	0	2
## 346	Rarely	3	0	3
## 347	Rarely	14	4	2
## 348	Rarely	8	7	4
## 349	Rarely	22	2	2
## 350	Rarely	6	1	2
## 351	Rarely	3	0	3
## 352	Rarely	5	0	2
## 353	Rarely	10	7	2
## 354	Rarely	6	1	2
## 355	Rarely	1	0	3
## 356	Frequently	3	0	3
## 357	Rarely	9	5	3
## 358	Rarely	3	1	2
## 359	Rarely	9	1	7
## 360	Rarely	6	1	3
## 361	Frequently	8	0	5
## 362	Rarely	4	1	3
## 363	Frequently	9	5	3
## 364	Rarely	5	0	3
## 365	Rarely	3	0	2
## 366	None	11	0	7
## 367	Rarely	2	2	1
## 368	Frequently	7	7	2
## 369	Rarely	1	0	1
## 370	Rarely	0	0	3

## 371	Rarely	3	1	3
## 372	Rarely	7	6	3
## 373	Rarely	15	4	2
## 374	Rarely	7	7	2
## 375	Frequently	9	3	3
## 376	Frequently	18	0	3
## 377	Rarely	13	3	3
## 378	Rarely	1	0	2
## 379	Frequently	8	6	3
## 380	Rarely	21	3	3
## 381	Rarely	1	0	7
## 382	Rarely	8	0	3
## 383	Rarely	10	1	2
## 384	Rarely	8	0	4
## 385	Rarely	1	0	1
## 386	Rarely	5	1	1
## 387	Rarely	1	0	2
## 388	Rarely	5	0	3
## 389	Rarely	0	0	1
## 390	Rarely	1	0	6
## 391	Rarely	5	1	1
## 392	Rarely	7	1	5
## 393	Frequently	13	1	3
## 394	Rarely	1	0	3
## 395	Frequently	9	0	3
## 396	Frequently	8	7	3
## 397	Rarely	3	1	6
## 398	Rarely	2	2	2
## 399	Rarely	14	9	5
## 400	Rarely	9	3	5
## 401	Rarely	10	0	4
## 402	Rarely	7	1	3
## 403	Rarely	10	1	2
## 404	Rarely	20	14	3
## 405	Frequently	7	1	4
## 406	Rarely	3	1	1
## 407	Rarely	5	0	3
## 408	Frequently	2	0	6
## 409	Rarely	7	1	3
## 410	Rarely	10	0	3
## 411	Rarely	5	4	2
## 412	None	8	1	3
## 413	None	10	9	3
## 414	Rarely	2	0	2
## 415	Frequently	2	2	6
## 416	None	5	1	2
## 417	Rarely	0	0	3
## 418	Rarely	2	2	4
## 419	Rarely	11	5	5
## 420	Rarely	14	2	1
## 421	Rarely	7	0	1
## 422	Rarely	1	0	5
## 423	None	1	0	5
## 424	Rarely	3	0	6

## 425	Rarely	1	1	6
## 426	Rarely	10	6	4
## 427	Frequently	4	3	5
## 428	Rarely	5	1	3
## 429	Rarely	4	2	3
## 430	Rarely	3	1	3
## 431	Frequently	1	1	3
## 432	Rarely	2	1	4
## 433	Rarely	17	15	2
## 434	Rarely	13	0	3
## 435	Rarely	5	0	2
## 436	Rarely	1	0	2
## 437	Rarely	2	2	3
## 438	Rarely	4	0	4
## 439	Rarely	2	2	5
## 440	Rarely	7	2	2
## 441	Rarely	6	0	2
## 442	None	16	14	2
## 443	Rarely	2	1	3
## 444	Rarely	4	1	2
## 445	Rarely	2	0	3
## 446	Rarely	11	6	2
## 447	Frequently	9	7	3
## 448	Rarely	10	0	2
## 449	Rarely	2	1	2
## 450	None	4	1	1
## 451	None	3	2	7
## 452	Frequently	5	2	1
## 453	Rarely	6	0	7
## 454	None	9	7	2
## 455	None	5	0	6
## 456	Frequently	21	13	3
## 457	Rarely	5	0	2
## 458	Frequently	18	2	5
## 459	None	5	0	3
## 460	Rarely	1	0	5
## 461	Frequently	1	0	5
## 462	Rarely	10	0	3
## 463	Frequently	6	0	4
## 464	Rarely	3	2	5
## 465	None	9	6	3
## 466	Rarely	20	5	2
## 467	Rarely	2	2	7
## 468	Frequently	9	2	2
## 469	None	20	2	2
## 470	Rarely	7	0	5
## 471	Rarely	1	0	3
## 472	Rarely	10	9	5
## 473	Rarely	1	0	3
## 474	Rarely	3	0	2
## 475	Frequently	6	0	4
## 476	Rarely	11	2	7
## 477	Rarely	3	1	7
## 478	Frequently	5	1	3

## 479	Rarely	1	0	6
## 480	Rarely	14	3	2
## 481	Rarely	4	1	7
## 482	Rarely	6	0	2
## 483	None	5	0	2
## 484	Rarely	5	0	2
## 485	Rarely	2	1	2
## 486	Rarely	10	0	2
## 487	Rarely	3	0	5
## 488	Rarely	6	1	3
## 489	Rarely	3	0	2
## 490	Frequently	21	2	3
## 491	Rarely	3	0	4
## 492	Rarely	2	2	5
## 493	Rarely	6	4	2
## 494	Rarely	17	5	3
## 495	Rarely	2	2	1
## 496	Rarely	7	7	2
## 497	Rarely	1	0	3
## 498	None	5	1	3
## 499	Rarely	7	5	3
## 500	Rarely	4	3	3
## 501	Rarely	7	4	3
## 502	Rarely	5	1	3
## 503	Rarely	10	0	4
## 504	Rarely	5	1	3
## 505	Rarely	2	2	2
## 506	None	3	1	6
## 507	Rarely	4	1	2
## 508	Frequently	5	0	3
## 509	None	1	0	3
## 510	Rarely	10	0	5
## 511	Rarely	24	15	2
## 512	Rarely	8	7	2
## 513	Rarely	15	2	2
## 514	Rarely	11	1	3
## 515	Rarely	4	1	2
## 516	Frequently	6	1	2
## 517	Rarely	5	4	2
## 518	Rarely	1	0	2
## 519	Rarely	5	4	5
## 520	Rarely	10	4	3
## 521	Frequently	14	1	3
## 522	Rarely	14	2	4
## 523	Rarely	2	2	2
## 524	Rarely	8	7	3
## 525	Rarely	1	0	3
## 526	Rarely	4	0	3
## 527	Frequently	3	1	3
## 528	Frequently	0	0	3
## 529	Rarely	3	1	2
## 530	Rarely	5	1	3
## 531	Rarely	12	5	3
## 532	None	4	2	2

## 533	Frequently	15	4	3
## 534	Rarely	5	1	5
## 535	Rarely	10	0	3
## 536	Frequently	7	7	1
## 537	Rarely	6	0	3
## 538	None	2	2	2
## 539	Rarely	14	4	1
## 540	None	9	8	1
## 541	Rarely	3	0	3
## 542	Rarely	10	8	3
## 543	Rarely	0	0	2
## 544	None	1	0	3
## 545	Rarely	19	11	3
## 546	None	3	1	2
## 547	Rarely	5	0	3
## 548	Frequently	9	1	3
## 549	Rarely	0	0	2
## 550	Frequently	1	0	3
## 551	Rarely	15	2	3
## 552	Rarely	10	0	6
## 553	Frequently	10	9	3
## 554	Rarely	3	1	6
## 555	None	0	0	3
## 556	Rarely	10	0	1
## 557	Rarely	2	0	3
## 558	Frequently	13	4	3
## 559	None	1	0	3
## 560	Rarely	8	0	2
## 561	Frequently	4	0	3
## 562	Rarely	0	0	7
## 563	Rarely	26	3	7
## 564	Rarely	9	2	1
## 565	Rarely	5	4	2
## 566	Rarely	4	2	1
## 567	Rarely	5	0	2
## 568	Frequently	10	6	6
## 569	Rarely	1	0	3
## 570	Rarely	14	7	3
## 571	Rarely	7	5	2
## 572	Rarely	4	0	3
## 573	Frequently	1	0	4
## 574	Rarely	8	0	6
## 575	Rarely	6	1	2
## 576	Frequently	9	1	2
## 577	Frequently	4	3	3
## 578	None	9	5	3
## 579	Rarely	3	0	2
## 580	None	3	0	3
## 581	Frequently	5	0	2
## 582	Rarely	9	6	5
## 583	Rarely	5	0	2
## 584	Rarely	6	0	2
## 585	Rarely	9	0	2
## 586	Rarely	2	2	2

## 587	Rarely	10	4	4
## 588	Frequently	6	3	3
## 589	Rarely	6	0	5
## 590	Rarely	1	0	3
## 591	Rarely	3	1	3
## 592	Rarely	7	1	5
## 593	Rarely	19	2	5
## 594	Rarely	20	11	3
## 595	Frequently	8	7	7
## 596	Rarely	1	0	3
## 597	Rarely	7	3	3
## 598	None	0	0	2
## 599	Rarely	9	1	3
## 600	Rarely	5	4	1
## 601	Rarely	9	0	5
## 602	Rarely	3	0	3
## 603	None	10	0	3
## 604	None	1	0	3
## 605	Frequently	8	7	7
## 606	Rarely	3	0	6
## 607	Rarely	7	6	2
## 608	Rarely	31	0	3
## 609	Rarely	7	7	3
## 610	Rarely	0	0	7
## 611	Rarely	20	13	2
## 612	None	3	2	4
## 613	Rarely	9	7	3
## 614	Rarely	4	1	3
## 615	Rarely	1	0	6
## 616	Rarely	1	0	1
## 617	Rarely	5	1	6
## 618	Rarely	1	0	2
## 619	Rarely	4	0	3
## 620	Rarely	11	3	3
## 621	Rarely	7	5	3
## 622	Rarely	19	1	2
## 623	None	1	0	2
## 624	Frequently	2	2	2
## 625	Frequently	13	2	2
## 626	Rarely	1	0	3
## 627	Rarely	15	10	3
## 628	Rarely	6	1	3
## 629	Rarely	0	0	2
## 630	Rarely	27	15	6
## 631	Rarely	4	1	4
## 632	Rarely	10	8	6
## 633	Rarely	4	1	2
## 634	Rarely	9	7	3
## 635	Frequently	6	1	2
## 636	Rarely	20	0	6
## 637	Frequently	8	0	3
## 638	None	1	0	2
## 639	None	10	4	3
## 640	Rarely	16	1	3

## 641	Frequently	7	7	2
## 642	None	3	1	7
## 643	Frequently	7	7	2
## 644	Rarely	6	0	1
## 645	Rarely	10	4	2
## 646	Rarely	20	9	7
## 647	Rarely	5	0	1
## 648	Rarely	5	0	4
## 649	Frequently	1	1	6
## 650	Rarely	3	0	2
## 651	Rarely	16	1	6
## 652	Rarely	11	4	3
## 653	Rarely	6	0	3
## 654	Rarely	2	2	3
## 655	Frequently	13	4	3
## 656	Frequently	24	14	3
## 657	Rarely	3	0	2
## 658	Frequently	6	0	3
## 659	Rarely	8	3	2
## 660	None	5	0	4
## 661	Rarely	21	11	2
## 662	Rarely	5	1	2
## 663	None	13	1	3
## 664	Rarely	7	1	1
## 665	Frequently	11	3	2
## 666	Rarely	3	1	3
## 667	Rarely	22	13	2
## 668	Rarely	11	10	2
## 669	Rarely	1	0	1
## 670	Rarely	10	7	4
## 671	Rarely	5	0	3
## 672	None	3	0	1
## 673	Rarely	29	11	3
## 674	Rarely	8	3	3
## 675	Frequently	21	1	2
## 676	Rarely	1	0	4
## 677	Rarely	10	5	3
## 678	Frequently	2	2	5
## 679	Rarely	14	6	2
## 680	Rarely	4	0	3
## 681	None	5	2	2
## 682	Rarely	2	2	3
## 683	Frequently	8	0	3
## 684	Rarely	1	1	3
## 685	Rarely	5	1	3
## 686	Frequently	1	1	3
## 687	Rarely	2	1	2
## 688	Rarely	17	12	2
## 689	Rarely	6	0	3
## 690	Frequently	10	0	1
## 691	Rarely	10	1	1
## 692	Frequently	1	0	2
## 693	Rarely	2	2	3
## 694	Rarely	1	0	1



## 695	Rarely	2	2	1
## 696	Rarely	11	5	3
## 697	Frequently	5	0	3
## 698	Rarely	10	7	2
## 699	None	1	0	2
## 700	Rarely	7	1	2
## 701	Rarely	7	1	3
## 702	Rarely	5	0	2
## 703	Rarely	10	0	2
## 704	Rarely	12	2	2
## 705	Rarely	4	0	3
## 706	Frequently	4	1	6
## 707	Rarely	13	5	3
## 708	Rarely	40	15	4
## 709	Frequently	1	0	3
## 710	Rarely	4	1	2
## 711	None	23	14	2
## 712	Rarely	3	0	3
## 713	Rarely	4	0	2
## 714	Rarely	7	7	6
## 715	Frequently	3	1	4
## 716	Rarely	5	0	2
## 717	Rarely	10	5	6
## 718	Rarely	16	6	3
## 719	Rarely	6	0	3
## 720	Rarely	5	1	3
## 721	Frequently	4	0	2
## 722	Rarely	4	1	3
## 723	None	3	0	3
## 724	Rarely	33	1	5
## 725	Rarely	5	0	1
## 726	Rarely	1	0	5
## 727	None	6	1	4
## 728	Rarely	7	1	2
## 729	Rarely	10	9	3
## 730	Rarely	11	7	3
## 731	Frequently	6	1	2
## 732	Rarely	1	0	3
## 733	Rarely	10	1	3
## 734	Rarely	12	5	2
## 735	Rarely	5	0	7
## 736	Rarely	5	1	6
## 737	Rarely	7	4	3
## 738	Frequently	14	6	1
## 739	Rarely	13	9	3
## 740	Rarely	5	0	6
## 741	Rarely	5	4	2
## 742	Rarely	5	0	3
## 743	Frequently	10	0	3
## 744	Frequently	5	2	3
## 745	Rarely	2	2	3
## 746	None	11	1	3
## 747	Frequently	2	1	6
## 748	Rarely	3	0	3

## 749	Rarely	2	2	2
## 750	Frequently	21	13	6
## 751	Rarely	1	0	2
## 752	Frequently	2	2	3
## 753	Rarely	17	15	3
## 754	Rarely	1	0	4
## 755	Rarely	5	1	3
## 756	Rarely	22	4	3
## 757	Rarely	5	4	1
## 758	Rarely	5	1	2
## 759	Rarely	10	0	2
## 760	Rarely	1	0	1
## 761	Rarely	8	7	2
## 762	Rarely	10	8	2
## 763	Rarely	0	0	3
## 764	Rarely	7	1	3
## 765	Rarely	4	1	2
## 766	Rarely	3	1	4
## 767	Frequently	29	11	3
## 768	Rarely	34	1	6
## 769	Frequently	2	2	3
## 770	Frequently	3	0	3
## 771	Rarely	1	0	1
## 772	Rarely	3	2	6
## 773	Rarely	5	0	2
## 774	Rarely	11	0	7
## 775	Frequently	4	1	7
## 776	Rarely	10	0	2
## 777	Rarely	1	0	3
## 778	Frequently	10	4	1
## 779	Rarely	2	2	4
## 780	Frequently	0	0	5
## 781	Rarely	2	2	3
## 782	Rarely	3	2	2
## 783	Frequently	4	1	2
## 784	Rarely	15	0	2
## 785	Rarely	36	4	2
## 786	Rarely	9	0	3
## 787	Frequently	3	0	2
## 788	Rarely	4	1	2
## 789	Rarely	21	12	3
## 790	Rarely	8	7	3
## 791	Rarely	8	0	1
## 792	Rarely	10	9	2
## 793	Rarely	8	7	2
## 794	Rarely	36	2	3
## 795	Rarely	2	2	3
## 796	Rarely	4	0	2
## 797	Rarely	4	0	2
## 798	Rarely	5	4	4
## 799	Rarely	10	0	3
## 800	Frequently	0	0	3
## 801	Rarely	8	7	7
## 802	Rarely	1	0	3

## 803	None	10	6	2
## 804	Rarely	8	1	7
## 805	Rarely	5	1	2
## 806	Frequently	9	0	3
## 807	Rarely	5	0	3
## 808	Frequently	4	1	4
## 809	Rarely	4	0	3
## 810	Rarely	4	0	6
## 811	Rarely	4	2	2
## 812	None	6	1	3
## 813	Rarely	9	1	3
## 814	Frequently	5	4	3
## 815	None	4	1	3
## 816	Frequently	13	3	4
## 817	None	33	15	1
## 818	Rarely	5	0	3
## 819	Rarely	19	15	2
## 820	Frequently	1	0	7
## 821	Frequently	5	0	3
## 822	Rarely	2	2	3
## 823	Rarely	9	0	2
## 824	Rarely	22	1	7
## 825	Rarely	16	6	1
## 826	None	1	0	2
## 827	Rarely	3	0	3
## 828	Rarely	5	0	7
## 829	Rarely	1	0	3
## 830	Rarely	1	0	2
## 831	Rarely	4	0	2
## 832	Frequently	5	0	2
## 833	Rarely	1	1	5
## 834	Rarely	1	0	3
## 835	Frequently	22	11	3
## 836	Rarely	5	0	5
## 837	Rarely	1	0	2
## 838	Rarely	4	0	7
## 839	Rarely	1	0	6
## 840	Frequently	19	2	1
## 841	Rarely	1	0	4
## 842	Rarely	4	0	2
## 843	Rarely	2	0	5
## 844	Rarely	7	6	2
## 845	None	8	1	1
## 846	Rarely	12	3	2
## 847	None	0	0	3
## 848	Rarely	4	1	1
## 849	Rarely	0	0	5
## 850	Rarely	12	4	3
## 851	Rarely	8	0	4
## 852	Rarely	14	1	2
## 853	Rarely	4	0	3
## 854	Frequently	6	1	3
## 855	Rarely	1	0	6
## 856	Rarely	8	1	3

## 857	Rarely	0	0	6
## 858	Rarely	9	4	5
## 859	Frequently	12	5	3
## 860	None	11	4	1
## 861	Rarely	3	0	3
## 862	Frequently	8	1	2
## 863	Rarely	1	0	4
## 864	Frequently	0	0	5
## 865	None	5	0	1
## 866	Rarely	1	1	4
## 867	Rarely	4	1	7
## 868	Rarely	2	1	3
## 869	Rarely	0	0	7
## 870	Rarely	1	0	3
## 871	Rarely	9	0	7
## 872	Frequently	4	1	1
## 873	Frequently	2	2	6
## 874	Rarely	9	6	3
## 875	Rarely	1	0	4
## 876	Rarely	5	0	3
## 877	Frequently	10	0	5
## 878	Frequently	1	0	6
## 879	Rarely	3	2	6
## 880	Rarely	7	1	1
## 881	Frequently	3	1	5
## 882	Rarely	5	1	2
## 883	Rarely	9	8	1
## 884	None	0	0	2
## 885	Frequently	1	0	4
## 886	Rarely	2	2	2
## 887	None	14	1	3
## 888	None	1	0	3
## 889	None	4	0	2
## 890	Rarely	2	0	3
## 891	Rarely	5	4	6
## 892	Rarely	25	14	2
## 893	Rarely	8	0	2
## 894	Rarely	2	2	2
## 895	Rarely	2	2	2
## 896	None	5	3	3
## 897	None	3	1	3
## 898	Frequently	4	0	2
## 899	Rarely	10	0	3
## 900	Rarely	1	0	3
## 901	Rarely	15	10	3
## 902	Rarely	9	1	2
## 903	Frequently	8	7	1
## 904	Rarely	1	0	5
## 905	Rarely	10	0	3
## 906	Rarely	2	1	2
## 907	Rarely	7	5	6
## 908	Rarely	5	0	7
## 909	Rarely	9	1	2
## 910	Rarely	2	2	3

## 911	Rarely	5	0	6
## 912	Rarely	2	0	1
## 913	Rarely	8	1	1
## 914	Rarely	3	0	2
## 915	None	4	0	2
## 916	Rarely	7	0	4
## 917	Frequently	10	0	3
## 918	None	9	7	1
## 919	Rarely	9	1	3
## 920	Rarely	7	7	3
## 921	Rarely	9	0	6
## 922	Rarely	5	0	3
## 923	None	11	5	3
## 924	None	4	1	3
## 925	Rarely	2	2	3
## 926	Rarely	1	0	1
## 927	None	5	1	2
## 928	Rarely	5	0	3
## 929	Rarely	5	0	2
## 930	Frequently	6	0	4
## 931	Rarely	1	0	4
## 932	Frequently	6	0	3
## 933	Frequently	2	2	6
## 934	Rarely	1	0	5
## 935	None	8	7	2
## 936	None	19	11	3
## 937	Rarely	11	1	3
## 938	Frequently	1	0	5
## 939	Rarely	1	0	3
## 940	Rarely	18	11	3
## 941	Rarely	8	1	3
## 942	Rarely	5	0	3
## 943	Rarely	20	3	7
## 944	Rarely	10	3	3
## 945	Frequently	9	0	3
## 946	Frequently	4	0	3
## 947	Rarely	10	7	3
## 948	Rarely	3	1	6
## 949	None	14	2	2
## 950	Rarely	15	5	2
## 951	Frequently	1	0	6
## 952	Frequently	1	0	6
## 953	None	1	0	5
## 954	Frequently	10	1	5
## 955	Rarely	8	1	2
## 956	None	15	4	1
## 957	Rarely	21	7	2
## 958	None	1	0	2
## 959	Frequently	2	2	3
## 960	Frequently	5	0	2
## 961	Rarely	5	1	2
## 962	Rarely	3	0	5
## 963	Rarely	7	3	4
## 964	Rarely	1	0	3

## 965	None	5	1	7
## 966	Rarely	0	0	3
## 967	Rarely	4	1	7
## 968	Frequently	2	2	3
## 969	Rarely	20	3	2
## 970	Rarely	24	2	7
## 971	Rarely	10	2	3
## 972	Rarely	1	0	1
## 973	Frequently	4	0	1
## 974	Rarely	7	1	4
## 975	Rarely	6	0	5
## 976	None	3	2	5
## 977	Rarely	11	5	7
## 978	Rarely	22	0	2
## 979	Rarely	5	1	1
## 980	Rarely	11	3	7
## 981	Rarely	2	2	3
## 982	Rarely	10	0	3
## 983	None	13	1	2
## 984	Rarely	1	0	1
## 985	None	12	6	5
## 986	None	3	1	1
## 987	Rarely	6	0	2
## 988	Rarely	3	1	3
## 989	Rarely	20	4	3
## 990	Rarely	5	1	1
## 991	Rarely	21	8	3
## 992	Rarely	4	1	2
## 993	None	2	2	4
## 994	Frequently	3	1	2
## 995	Frequently	4	3	6
## 996	Rarely	20	1	3
## 997	Rarely	25	3	3
## 998	Rarely	2	2	3
## 999	None	1	0	1
## 1000	Rarely	0	0	2
## 1001	Rarely	5	1	6
## 1002	None	4	2	2
## 1003	Rarely	15	5	6
## 1004	Rarely	20	12	2
## 1005	Rarely	16	10	6
## 1006	Rarely	9	8	2
## 1007	None	8	7	7
## 1008	Frequently	22	11	1
## 1009	Rarely	4	1	2
## 1010	Rarely	7	0	2
## 1011	Frequently	1	0	2
## 1012	Rarely	7	0	6
## 1013	Rarely	9	1	1
## 1014	Rarely	27	13	2
## 1015	Rarely	2	2	3
## 1016	Rarely	4	1	3
## 1017	Rarely	6	1	3
## 1018	Rarely	9	7	7

## 1019	Rarely	10	1	2
## 1020	Frequently	2	1	3
## 1021	Rarely	4	0	5
## 1022	Rarely	16	3	5
## 1023	Rarely	1	1	3
## 1024	Rarely	10	1	4
## 1025	Rarely	4	1	2
## 1026	Rarely	12	1	2
## 1027	Rarely	5	0	2
## 1028	Rarely	6	1	2
## 1029	Rarely	13	4	2
##	job_satisfaction	performance_rating	marital_status	miles_from_home
## 1	Low	Exceeds Expectations	Married	7
## 2	High	Meets Expectations	Single	1
## 3	Low	Meets Expectations	Single	9
## 4	Low	Exceeds Expectations	Divorced	14
## 5	High	Meets Expectations	Married	29
## 6	Very High	Meets Expectations	Married	1
## 7	High	Exceeds Expectations	Married	28
## 8	Very High	Meets Expectations	Single	2
## 9	Very High	Meets Expectations	Married	3
## 10	Medium	Exceeds Expectations	Married	1
## 11	High	Exceeds Expectations	Divorced	19
## 12	High	Meets Expectations	Single	1
## 13	Medium	Exceeds Expectations	Divorced	4
## 14	Medium	Meets Expectations	Married	17
## 15	Very High	Not Effective	Single	2
## 16	Medium	Exceeds Expectations	Married	2
## 17	Medium	Meets Expectations	Married	8
## 18	High	Exceeds Expectations	Married	4
## 19	High	Meets Expectations	Married	9
## 20	Very High	Meets Expectations	Married	1
## 21	High	Meets Expectations	Married	25
## 22	Low	Meets Expectations	Single	1
## 23	High	Meets Expectations	Married	15
## 24	High	Exceeds Expectations	Divorced	2
## 25	Very High	Exceptional	Married	11
## 26	Very High	Not Effective	Single	18
## 27	Low	Meets Expectations	Married	9
## 28	Very High	Meets Expectations	Divorced	8
## 29	Medium	Minimally Effective	Married	8
## 30	Medium	Exceeds Expectations	Single	5
## 31	High	Exceeds Expectations	Divorced	8
## 32	Very High	Exceeds Expectations	Divorced	20
## 33	Low	Exceptional	Married	8
## 34	Low	Exceptional	Married	7
## 35	Very High	Meets Expectations	Divorced	2
## 36	High	Exceptional	Married	11
## 37	Low	Exceptional	Married	2
## 38	High	Meets Expectations	Married	9
## 39	High	Exceeds Expectations	Single	2
## 40	High	Meets Expectations	Married	18
## 41	High	Minimally Effective	Married	25
## 42	Very High	Meets Expectations	Married	3

## 43	High	Meets	Expectations	Married	20
## 44	Low	Meets	Expectations	Married	1
## 45	Low	Meets	Expectations	Divorced	1
## 46	High		Exceptional	Married	18
## 47	Very High		Exceptional	Single	2
## 48	Medium	Meets	Expectations	Single	5
## 49	Very High		Exceptional	Single	26
## 50	Low	Exceeds	Expectations	Married	8
## 51	Low	Exceeds	Expectations	Divorced	15
## 52	Very High	Meets	Expectations	Single	2
## 53	Medium	Exceeds	Expectations	Divorced	9
## 54	Low		Exceptional	Married	7
## 55	Very High	Exceeds	Expectations	Married	2
## 56	Medium	Meets	Expectations	Divorced	5
## 57	Medium	Exceeds	Expectations	Married	1
## 58	Very High	Exceeds	Expectations	Single	8
## 59	Very High		Exceptional	Single	6
## 60	High	Meets	Expectations	Divorced	17
## 61	Low	Meets	Expectations	Married	9
## 62	High		Exceptional	Married	7
## 63	High		Exceptional	Single	4
## 64	Low	Minimally	Effective	Married	6
## 65	Low	Meets	Expectations	Divorced	6
## 66	High	Exceeds	Expectations	Single	2
## 67	Very High	Meets	Expectations	Married	1
## 68	Medium	Meets	Expectations	Single	9
## 69	Low	Meets	Expectations	Single	10
## 70	Medium	Exceeds	Expectations	Married	14
## 71	High	Meets	Expectations	Married	11
## 72	Very High	Minimally	Effective	Married	1
## 73	High	Exceeds	Expectations	Married	2
## 74	High	Meets	Expectations	Divorced	16
## 75	Very High	Exceeds	Expectations	Divorced	5
## 76	Very High	Meets	Expectations	Married	2
## 77	Medium	Exceeds	Expectations	Married	7
## 78	Medium	Exceeds	Expectations	Divorced	8
## 79	Medium	Meets	Expectations	Married	10
## 80	Low	Meets	Expectations	Single	7
## 81	Low	Exceeds	Expectations	Married	2
## 82	High		Exceptional	Married	28
## 83	Medium	Meets	Expectations	Married	2
## 84	Very High	Minimally	Effective	Single	19
## 85	Very High	Meets	Expectations	Single	7
## 86	Low	Meets	Expectations	Divorced	2
## 87	Very High		Exceptional	Married	21
## 88	Very High		Exceptional	Single	21
## 89	Medium	Meets	Expectations	Divorced	5
## 90	High		Exceptional	Married	10
## 91	Very High	Meets	Expectations	Divorced	1
## 92	Very High		Exceptional	Married	16
## 93	Low	Meets	Expectations	Divorced	18
## 94	High		Exceptional	Divorced	2
## 95	Low	Exceeds	Expectations	Single	9
## 96	High	Meets	Expectations	Married	22



## 97	Very High	Minimally Effective	Single	4
## 98	Very High	Exceeds Expectations	Married	25
## 99	Very High	Exceeds Expectations	Single	29
## 100	Very High	Exceeds Expectations	Married	1
## 101	Low	Exceeds Expectations	Married	11
## 102	Very High	Meets Expectations	Divorced	13
## 103	High	Exceeds Expectations	Single	12
## 104	High	Exceptional	Married	9
## 105	High	Minimally Effective	Married	11
## 106	High	Exceeds Expectations	Married	2
## 107	High	Minimally Effective	Single	2
## 108	High	Exceptional	Married	27
## 109	Low	Exceeds Expectations	Single	9
## 110	High	Meets Expectations	Married	20
## 111	Very High	Meets Expectations	Single	6
## 112	High	Meets Expectations	Divorced	1
## 113	Very High	Exceeds Expectations	Married	6
## 114	High	Minimally Effective	Single	13
## 115	Low	Meets Expectations	Single	7
## 116	Very High	Minimally Effective	Married	1
## 117	Medium	Meets Expectations	Single	13
## 118	Medium	Meets Expectations	Divorced	5
## 119	High	Minimally Effective	Married	9
## 120	Low	Meets Expectations	Married	1
## 121	Low	Meets Expectations	Married	3
## 122	Low	Meets Expectations	Married	26
## 123	Low	Meets Expectations	Single	6
## 124	Medium	Meets Expectations	Divorced	10
## 125	High	Exceeds Expectations	Single	14
## 126	Low	Meets Expectations	Divorced	4
## 127	High	Exceeds Expectations	Married	4
## 128	High	Meets Expectations	Divorced	3
## 129	Low	Meets Expectations	Single	1
## 130	Low	Meets Expectations	Single	9
## 131	Medium	Exceeds Expectations	Married	1
## 132	Very High	Minimally Effective	Single	18
## 133	High	Meets Expectations	Married	29
## 134	High	Exceeds Expectations	Single	8
## 135	High	Meets Expectations	Married	22
## 136	Very High	Exceptional	Married	16
## 137	High	Exceeds Expectations	Married	1
## 138	Low	Exceeds Expectations	Divorced	1
## 139	Very High	Meets Expectations	Divorced	3
## 140	High	Meets Expectations	Married	10
## 141	High	Meets Expectations	Married	10
## 142	High	Meets Expectations	Divorced	6
## 143	Very High	Meets Expectations	Married	21
## 144	High	Meets Expectations	Divorced	1
## 145	High	Exceptional	Divorced	8
## 146	Low	Meets Expectations	Single	2
## 147	Medium	Meets Expectations	Single	25
## 148	High	Meets Expectations	Married	9
## 149	High	Exceeds Expectations	Married	4
## 150	Very High	Minimally Effective	Single	5

## 151	Low	Minimally Effective	Single	24
## 152	Very High	Exceptional	Married	5
## 153	Low	Meets Expectations	Divorced	7
## 154	Medium	Exceptional	Single	7
## 155	Very High	Exceeds Expectations	Single	16
## 156	High	Minimally Effective	Married	10
## 157	Medium	Meets Expectations	Divorced	2
## 158	Very High	Exceptional	Single	7
## 159	High	Exceptional	Single	5
## 160	Very High	Exceeds Expectations	Single	26
## 161	Very High	Meets Expectations	Married	3
## 162	High	Exceptional	Married	7
## 163	Medium	Meets Expectations	Married	19
## 164	Very High	Exceeds Expectations	Single	15
## 165	Medium	Exceeds Expectations	Married	8
## 166	High	Meets Expectations	Married	4
## 167	Very High	Exceeds Expectations	Divorced	2
## 168	High	Exceeds Expectations	Single	14
## 169	Very High	Exceeds Expectations	Divorced	27
## 170	Low	Exceeds Expectations	Divorced	7
## 171	Low	Not Effective	Married	9
## 172	High	Meets Expectations	Single	20
## 173	Medium	Exceeds Expectations	Single	5
## 174	Medium	Exceptional	Married	8
## 175	Medium	Meets Expectations	Married	5
## 176	Very High	Meets Expectations	Single	10
## 177	Low	Meets Expectations	Single	2
## 178	Very High	Exceeds Expectations	Single	6
## 179	Low	Meets Expectations	Married	2
## 180	Medium	Exceeds Expectations	Married	25
## 181	High	Exceptional	Married	7
## 182	High	Exceptional	Single	2
## 183	High	Meets Expectations	Single	10
## 184	High	Meets Expectations	Married	6
## 185	Very High	Meets Expectations	Single	9
## 186	High	Exceeds Expectations	Married	20
## 187	Low	Meets Expectations	Married	2
## 188	Medium	Exceeds Expectations	Married	2
## 189	Very High	Exceeds Expectations	Married	29
## 190	Medium	Exceeds Expectations	Married	2
## 191	Low	Exceeds Expectations	Single	5
## 192	Very High	Exceptional	Married	15
## 193	Medium	Exceptional	Married	3
## 194	Medium	Meets Expectations	Married	10
## 195	Medium	Exceptional	Single	5
## 196	Medium	Meets Expectations	Single	8
## 197	Medium	Exceptional	Married	2
## 198	Low	Exceptional	Married	11
## 199	Very High	Exceptional	Married	4
## 200	Low	Exceeds Expectations	Single	16
## 201	Very High	Exceeds Expectations	Divorced	11
## 202	High	Exceptional	Married	10
## 203	Very High	Exceeds Expectations	Single	2
## 204	Low	Meets Expectations	Married	16

## 205	Very High	Meets Expectations	Single	2
## 206	Very High	Exceptional	Married	1
## 207	Medium	Minimally Effective	Single	2
## 208	Very High	Exceptional	Single	12
## 209	Very High	Exceptional	Single	1
## 210	High	Exceeds Expectations	Divorced	3
## 211	Very High	Meets Expectations	Married	4
## 212	Very High	Meets Expectations	Married	1
## 213	Very High	Meets Expectations	Single	10
## 214	Medium	Meets Expectations	Single	12
## 215	Very High	Not Effective	Divorced	10
## 216	Medium	Meets Expectations	Married	2
## 217	Very High	Minimally Effective	Married	28
## 218	Low	Meets Expectations	Married	3
## 219	Very High	Exceptional	Single	25
## 220	Low	Minimally Effective	Single	1
## 221	Low	Exceeds Expectations	Single	9
## 222	Very High	Exceptional	Married	8
## 223	Medium	Exceeds Expectations	Single	9
## 224	High	Exceptional	Divorced	13
## 225	Low	Minimally Effective	Divorced	5
## 226	Low	Exceeds Expectations	Married	14
## 227	Low	Minimally Effective	Married	8
## 228	High	Exceeds Expectations	Married	17
## 229	Medium	Not Effective	Single	2
## 230	Very High	Meets Expectations	Single	26
## 231	Low	Meets Expectations	Married	7
## 232	Medium	Meets Expectations	Divorced	9
## 233	Low	Meets Expectations	Single	2
## 234	Medium	Meets Expectations	Divorced	8
## 235	Medium	Meets Expectations	Single	6
## 236	Low	Exceeds Expectations	Single	7
## 237	Very High	Meets Expectations	Married	19
## 238	Medium	Exceptional	Divorced	1
## 239	Very High	Meets Expectations	Single	2
## 240	Very High	Meets Expectations	Married	9
## 241	High	Exceeds Expectations	Divorced	2
## 242	Very High	Exceeds Expectations	Single	5
## 243	High	Exceptional	Married	10
## 244	Very High	Meets Expectations	Married	20
## 245	Medium	Exceeds Expectations	Married	17
## 246	Medium	Exceptional	Married	4
## 247	High	Exceptional	Married	2
## 248	Very High	Minimally Effective	Married	5
## 249	High	Meets Expectations	Single	3
## 250	High	Exceeds Expectations	Single	22
## 251	Very High	Exceptional	Divorced	1
## 252	High	Meets Expectations	Single	1
## 253	Medium	Exceeds Expectations	Divorced	13
## 254	Medium	Exceptional	Married	1
## 255	Low	Minimally Effective	Married	20
## 256	Medium	Meets Expectations	Single	29
## 257	Very High	Exceptional	Married	23
## 258	Low	Exceeds Expectations	Married	21

## 259	Medium	Exceeds	Expectations	Married	16
## 260	High		Exceptional	Married	2
## 261	Low	Meets	Expectations	Married	3
## 262	High		Exceptional	Married	6
## 263	High	Meets	Expectations	Single	23
## 264	Low	Meets	Expectations	Married	5
## 265	Low		Exceptional	Single	15
## 266	Very High	Exceeds	Expectations	Married	1
## 267	Medium	Exceeds	Expectations	Married	1
## 268	Very High	Exceeds	Expectations	Divorced	1
## 269	High	Meets	Expectations	Divorced	23
## 270	Very High	Meets	Expectations	Single	2
## 271	Very High	Minimally	Effective	Single	27
## 272	Low	Meets	Expectations	Single	5
## 273	Low	Minimally	Effective	Divorced	13
## 274	High	Meets	Expectations	Married	1
## 275	Medium	Meets	Expectations	Single	25
## 276	High		Exceptional	Married	10
## 277	Very High	Meets	Expectations	Married	12
## 278	Medium	Meets	Expectations	Single	8
## 279	Medium		Exceptional	Single	7
## 280	High	Meets	Expectations	Single	1
## 281	Very High		Exceptional	Single	2
## 282	Very High		Exceptional	Married	7
## 283	Low	Exceeds	Expectations	Married	2
## 284	Very High	Minimally	Effective	Married	23
## 285	Medium		Not Effective	Divorced	4
## 286	Very High		Exceptional	Single	2
## 287	Medium		Exceptional	Single	3
## 288	Very High	Exceeds	Expectations	Married	1
## 289	Medium	Exceeds	Expectations	Married	8
## 290	Very High	Exceeds	Expectations	Single	7
## 291	Low	Minimally	Effective	Divorced	13
## 292	Medium	Exceeds	Expectations	Married	8
## 293	High	Exceeds	Expectations	Divorced	7
## 294	Very High		Exceptional	Married	7
## 295	High	Meets	Expectations	Divorced	9
## 296	Very High	Exceeds	Expectations	Divorced	2
## 297	Low	Meets	Expectations	Married	28
## 298	Very High	Exceeds	Expectations	Married	1
## 299	High	Exceeds	Expectations	Single	10
## 300	Low	Meets	Expectations	Married	2
## 301	Medium	Exceeds	Expectations	Married	4
## 302	High		Not Effective	Single	1
## 303	Very High	Minimally	Effective	Divorced	17
## 304	Medium	Minimally	Effective	Married	19
## 305	High		Exceptional	Single	23
## 306	Medium	Minimally	Effective	Single	25
## 307	Medium	Exceeds	Expectations	Married	13
## 308	Very High	Meets	Expectations	Married	25
## 309	Low	Exceeds	Expectations	Married	8
## 310	Very High		Exceptional	Married	8
## 311	Medium	Meets	Expectations	Single	11
## 312	High	Meets	Expectations	Married	15

## 313	Medium	Exceptional	Single	10
## 314	Medium	Exceeds Expectations	Divorced	4
## 315	Low	Meets Expectations	Married	1
## 316	Very High	Meets Expectations	Married	3
## 317	Very High	Exceeds Expectations	Married	1
## 318	Medium	Exceeds Expectations	Single	1
## 319	Very High	Exceptional	Married	5
## 320	High	Exceptional	Married	3
## 321	Medium	Exceptional	Married	26
## 322	High	Exceptional	Married	3
## 323	Very High	Exceeds Expectations	Married	1
## 324	High	Exceeds Expectations	Single	6
## 325	Medium	Exceptional	Divorced	9
## 326	High	Exceeds Expectations	Single	27
## 327	Low	Exceeds Expectations	Married	1
## 328	Medium	Exceeds Expectations	Married	3
## 329	High	Exceeds Expectations	Divorced	7
## 330	Very High	Exceeds Expectations	Single	6
## 331	High	Exceeds Expectations	Single	6
## 332	Low	Exceeds Expectations	Divorced	17
## 333	Medium	Meets Expectations	Divorced	5
## 334	Low	Exceeds Expectations	Single	10
## 335	High	Exceptional	Married	2
## 336	Very High	Not Effective	Single	4
## 337	High	Exceptional	Single	6
## 338	Medium	Minimally Effective	Divorced	14
## 339	Medium	Exceeds Expectations	Single	11
## 340	Very High	Exceeds Expectations	Divorced	1
## 341	High	Meets Expectations	Single	18
## 342	Low	Meets Expectations	Divorced	2
## 343	Very High	Meets Expectations	Divorced	3
## 344	Very High	Exceptional	Married	5
## 345	High	Meets Expectations	Married	2
## 346	Very High	Exceeds Expectations	Divorced	23
## 347	Very High	Exceptional	Married	9
## 348	Medium	Exceeds Expectations	Single	5
## 349	High	Meets Expectations	Married	1
## 350	Very High	Exceeds Expectations	Divorced	7
## 351	High	Meets Expectations	Single	11
## 352	Medium	Exceeds Expectations	Married	9
## 353	Very High	Exceeds Expectations	Married	5
## 354	Very High	Exceptional	Single	2
## 355	High	Exceptional	Married	7
## 356	Low	Meets Expectations	Divorced	23
## 357	Very High	Meets Expectations	Single	18
## 358	High	Exceptional	Divorced	2
## 359	Low	Exceeds Expectations	Married	1
## 360	Very High	Minimally Effective	Single	1
## 361	High	Meets Expectations	Married	8
## 362	Very High	Exceptional	Married	1
## 363	Very High	Meets Expectations	Divorced	4
## 364	Medium	Exceeds Expectations	Married	13
## 365	Very High	Exceeds Expectations	Married	8
## 366	Very High	Exceeds Expectations	Single	18

## 367	Low	Meets Expectations	Single	24
## 368	Low	Meets Expectations	Married	15
## 369	Low	Exceeds Expectations	Divorced	19
## 370	Low	Meets Expectations	Married	13
## 371	Low	Minimally Effective	Married	3
## 372	Medium	Exceeds Expectations	Divorced	2
## 373	High	Exceptional	Single	4
## 374	Very High	Exceeds Expectations	Married	2
## 375	Very High	Exceeds Expectations	Single	8
## 376	High	Exceeds Expectations	Divorced	9
## 377	Medium	Meets Expectations	Single	5
## 378	Medium	Exceeds Expectations	Divorced	6
## 379	Medium	Exceeds Expectations	Married	18
## 380	High	Meets Expectations	Divorced	2
## 381	High	Exceeds Expectations	Divorced	1
## 382	High	Exceptional	Married	16
## 383	Medium	Exceeds Expectations	Married	26
## 384	Medium	Minimally Effective	Married	10
## 385	Medium	Exceeds Expectations	Married	6
## 386	Very High	Exceeds Expectations	Divorced	24
## 387	Medium	Meets Expectations	Single	21
## 388	Very High	Meets Expectations	Single	2
## 389	High	Exceeds Expectations	Single	8
## 390	Medium	Minimally Effective	Married	17
## 391	High	Meets Expectations	Divorced	2
## 392	Low	Meets Expectations	Divorced	2
## 393	Very High	Meets Expectations	Married	3
## 394	Very High	Exceeds Expectations	Single	10
## 395	Medium	Exceptional	Married	2
## 396	High	Exceeds Expectations	Married	6
## 397	High	Minimally Effective	Single	1
## 398	Very High	Exceeds Expectations	Divorced	1
## 399	Very High	Meets Expectations	Married	4
## 400	Medium	Meets Expectations	Married	21
## 401	Low	Minimally Effective	Single	10
## 402	Low	Meets Expectations	Married	17
## 403	Medium	Exceeds Expectations	Divorced	4
## 404	Low	Exceptional	Married	28
## 405	Medium	Not Effective	Divorced	10
## 406	Low	Meets Expectations	Single	1
## 407	Low	Meets Expectations	Married	4
## 408	Very High	Exceeds Expectations	Single	9
## 409	Very High	Exceeds Expectations	Married	29
## 410	Very High	Exceeds Expectations	Married	3
## 411	High	Meets Expectations	Single	22
## 412	Medium	Exceeds Expectations	Married	14
## 413	High	Not Effective	Divorced	2
## 414	High	Meets Expectations	Single	10
## 415	High	Minimally Effective	Single	10
## 416	High	Exceeds Expectations	Married	1
## 417	Low	Exceeds Expectations	Divorced	8
## 418	High	Minimally Effective	Single	3
## 419	High	Meets Expectations	Single	6
## 420	Medium	Exceptional	Married	21

## 421	High	Exceptional	Single	1
## 422	High	Exceeds Expectations	Married	5
## 423	Low	Exceeds Expectations	Divorced	2
## 424	High	Meets Expectations	Married	1
## 425	Medium	Minimally Effective	Single	7
## 426	High	Meets Expectations	Married	22
## 427	High	Minimally Effective	Married	18
## 428	High	Exceptional	Married	26
## 429	Very High	Meets Expectations	Single	2
## 430	High	Exceeds Expectations	Married	2
## 431	Very High	Meets Expectations	Single	6
## 432	Medium	Minimally Effective	Married	25
## 433	High	Exceeds Expectations	Divorced	2
## 434	Medium	Meets Expectations	Divorced	9
## 435	High	Exceeds Expectations	Married	3
## 436	Very High	Exceptional	Divorced	6
## 437	Very High	Meets Expectations	Married	8
## 438	Very High	Exceptional	Married	9
## 439	High	Meets Expectations	Married	6
## 440	Medium	Meets Expectations	Married	5
## 441	Low	Meets Expectations	Married	20
## 442	Medium	Meets Expectations	Divorced	2
## 443	Low	Not Effective	Married	2
## 444	Low	Exceeds Expectations	Single	2
## 445	High	Meets Expectations	Single	2
## 446	Medium	Minimally Effective	Married	16
## 447	Very High	Meets Expectations	Divorced	10
## 448	Low	Exceptional	Single	17
## 449	High	Meets Expectations	Married	2
## 450	High	Exceptional	Married	26
## 451	Very High	Exceeds Expectations	Single	9
## 452	High	Exceptional	Divorced	10
## 453	Medium	Exceeds Expectations	Divorced	27
## 454	Very High	Minimally Effective	Married	1
## 455	High	Exceeds Expectations	Single	5
## 456	Very High	Meets Expectations	Married	7
## 457	Very High	Meets Expectations	Married	21
## 458	High	Meets Expectations	Single	9
## 459	Medium	Exceeds Expectations	Married	9
## 460	Medium	Exceeds Expectations	Married	9
## 461	Medium	Meets Expectations	Divorced	1
## 462	Very High	Not Effective	Divorced	3
## 463	Low	Meets Expectations	Single	3
## 464	Low	Not Effective	Divorced	28
## 465	Low	Exceeds Expectations	Single	2
## 466	High	Exceeds Expectations	Single	6
## 467	Low	Exceeds Expectations	Single	16
## 468	High	Exceeds Expectations	Divorced	7
## 469	High	Exceptional	Married	2
## 470	High	Exceeds Expectations	Married	13
## 471	High	Exceeds Expectations	Married	20
## 472	High	Meets Expectations	Married	7
## 473	Low	Exceeds Expectations	Married	8
## 474	High	Meets Expectations	Married	26

## 475	High	Meets	Expectations	Divorced	1
## 476	Medium		Exceptional	Divorced	4
## 477	Very High	Exceeds	Expectations	Divorced	19
## 478	High	Meets	Expectations	Married	10
## 479	Low	Minimally	Effective	Divorced	2
## 480	Very High	Meets	Expectations	Married	1
## 481	Very High		Exceptional	Single	10
## 482	Very High	Meets	Expectations	Single	7
## 483	High		Exceptional	Divorced	21
## 484	High		Exceptional	Single	2
## 485	Medium	Meets	Expectations	Married	11
## 486	Very High	Exceeds	Expectations	Single	4
## 487	High	Minimally	Effective	Married	3
## 488	Very High	Exceeds	Expectations	Divorced	25
## 489	Very High		Exceptional	Married	8
## 490	Low	Meets	Expectations	Single	22
## 491	Low	Meets	Expectations	Divorced	7
## 492	Very High	Exceeds	Expectations	Divorced	15
## 493	Medium	Minimally	Effective	Single	29
## 494	Very High	Meets	Expectations	Single	1
## 495	Very High		Exceptional	Married	2
## 496	Very High	Exceeds	Expectations	Single	3
## 497	Medium	Meets	Expectations	Married	2
## 498	High	Meets	Expectations	Single	24
## 499	Low	Meets	Expectations	Single	1
## 500	High	Exceeds	Expectations	Divorced	17
## 501	Very High	Meets	Expectations	Divorced	9
## 502	Medium		Exceptional	Married	28
## 503	Low	Meets	Expectations	Married	1
## 504	Medium	Exceeds	Expectations	Married	1
## 505	Low	Exceeds	Expectations	Single	2
## 506	High	Meets	Expectations	Married	21
## 507	Low	Meets	Expectations	Divorced	13
## 508	High	Minimally	Effective	Divorced	29
## 509	Low	Minimally	Effective	Divorced	5
## 510	Very High	Exceeds	Expectations	Married	7
## 511	Low	Meets	Expectations	Divorced	1
## 512	High	Exceeds	Expectations	Married	1
## 513	Low	Meets	Expectations	Single	1
## 514	Very High	Exceeds	Expectations	Single	8
## 515	Low		Exceptional	Married	5
## 516	Medium	Exceeds	Expectations	Divorced	1
## 517	High	Meets	Expectations	Divorced	26
## 518	Very High	Meets	Expectations	Married	7
## 519	Low	Meets	Expectations	Divorced	10
## 520	Medium	Minimally	Effective	Divorced	8
## 521	Very High	Exceeds	Expectations	Divorced	11
## 522	Very High		Exceptional	Single	1
## 523	Very High	Meets	Expectations	Divorced	19
## 524	High	Exceeds	Expectations	Divorced	16
## 525	High	Exceeds	Expectations	Single	4
## 526	Low	Minimally	Effective	Divorced	2
## 527	Medium	Exceeds	Expectations	Married	2
## 528	Very High	Meets	Expectations	Single	10



## 529	Medium Exceeds Expectations	Married	2
## 530	Very High Exceptional	Single	3
## 531	Very High Meets Expectations	Married	29
## 532	Low Exceeds Expectations	Married	11
## 533	Low Exceeds Expectations	Single	2
## 534	Medium Not Effective	Married	2
## 535	High Exceeds Expectations	Divorced	20
## 536	Low Exceptional	Divorced	10
## 537	Very High Exceptional	Single	29
## 538	Very High Meets Expectations	Divorced	8
## 539	High Meets Expectations	Divorced	5
## 540	High Meets Expectations	Single	23
## 541	Medium Meets Expectations	Married	16
## 542	High Minimally Effective	Married	1
## 543	Very High Exceptional	Single	2
## 544	Medium Exceeds Expectations	Divorced	9
## 545	Low Exceptional	Divorced	1
## 546	High Exceeds Expectations	Single	9
## 547	Very High Exceeds Expectations	Married	28
## 548	High Meets Expectations	Single	4
## 549	High Exceptional	Divorced	29
## 550	Very High Meets Expectations	Married	18
## 551	High Exceeds Expectations	Married	6
## 552	Very High Meets Expectations	Married	15
## 553	Low Exceeds Expectations	Married	1
## 554	Very High Exceptional	Single	23
## 555	High Meets Expectations	Single	17
## 556	Medium Exceptional	Single	13
## 557	High Meets Expectations	Married	1
## 558	Low Minimally Effective	Single	1
## 559	Very High Exceeds Expectations	Divorced	16
## 560	High Meets Expectations	Single	2
## 561	Very High Exceeds Expectations	Single	8
## 562	High Exceeds Expectations	Married	20
## 563	Very High Meets Expectations	Married	2
## 564	Medium Exceeds Expectations	Married	8
## 565	High Meets Expectations	Single	8
## 566	High Exceeds Expectations	Married	6
## 567	Low Exceptional	Divorced	27
## 568	Low Meets Expectations	Single	16
## 569	High Exceptional	Married	4
## 570	Very High Meets Expectations	Single	12
## 571	Very High Exceeds Expectations	Divorced	6
## 572	Very High Exceeds Expectations	Married	2
## 573	Low Minimally Effective	Single	24
## 574	High Minimally Effective	Divorced	7
## 575	Low Meets Expectations	Single	27
## 576	Low Exceeds Expectations	Divorced	1
## 577	Medium Meets Expectations	Married	2
## 578	Very High Exceptional	Married	1
## 579	High Meets Expectations	Married	17
## 580	Very High Exceptional	Divorced	1
## 581	Medium Meets Expectations	Married	7
## 582	Very High Exceeds Expectations	Married	6

## 583	High Exceeds Expectations	Divorced	10
## 584	Medium Meets Expectations	Married	4
## 585	Very High Meets Expectations	Married	1
## 586	High Exceeds Expectations	Married	6
## 587	Medium Exceeds Expectations	Married	8
## 588	Very High Meets Expectations	Divorced	22
## 589	High Not Effective	Single	5
## 590	Very High Exceeds Expectations	Divorced	2
## 591	Medium Exceptional	Single	16
## 592	High Meets Expectations	Married	10
## 593	Low Meets Expectations	Divorced	3
## 594	Low Exceeds Expectations	Single	15
## 595	Very High Meets Expectations	Single	14
## 596	Medium Exceeds Expectations	Single	2
## 597	Very High Meets Expectations	Married	19
## 598	Very High Minimally Effective	Single	1
## 599	Very High Exceeds Expectations	Single	1
## 600	Very High Meets Expectations	Single	2
## 601	Very High Exceptional	Single	4
## 602	Very High Meets Expectations	Divorced	20
## 603	Low Exceeds Expectations	Single	8
## 604	High Exceptional	Married	3
## 605	Medium Minimally Effective	Single	4
## 606	High Minimally Effective	Married	3
## 607	Medium Meets Expectations	Divorced	22
## 608	High Meets Expectations	Divorced	18
## 609	High Exceeds Expectations	Married	27
## 610	High Exceptional	Single	8
## 611	Very High Exceeds Expectations	Single	29
## 612	Very High Exceeds Expectations	Married	26
## 613	High Meets Expectations	Married	2
## 614	Medium Meets Expectations	Single	7
## 615	Low Minimally Effective	Single	1
## 616	Very High Exceeds Expectations	Single	5
## 617	High Exceeds Expectations	Married	7
## 618	Medium Meets Expectations	Single	3
## 619	Very High Exceeds Expectations	Divorced	7
## 620	Medium Exceeds Expectations	Single	16
## 621	High Exceeds Expectations	Divorced	2
## 622	High Not Effective	Married	17
## 623	Very High Meets Expectations	Divorced	2
## 624	Very High Exceptional	Married	20
## 625	Very High Meets Expectations	Married	1
## 626	Very High Meets Expectations	Married	1
## 627	Medium Minimally Effective	Single	24
## 628	Very High Exceptional	Married	1
## 629	Very High Meets Expectations	Single	15
## 630	High Meets Expectations	Married	29
## 631	Very High Minimally Effective	Single	10
## 632	Very High Exceptional	Married	19
## 633	Medium Exceptional	Divorced	22
## 634	Very High Exceeds Expectations	Married	1
## 635	Medium Meets Expectations	Single	2
## 636	Low Exceptional	Married	10

## 637	High	Meets	Expectations	Single	2
## 638	Low	Meets	Expectations	Divorced	2
## 639	Low		Exceptional	Married	26
## 640	Low	Exceeds	Expectations	Divorced	8
## 641	High	Meets	Expectations	Single	6
## 642	High	Exceeds	Expectations	Married	8
## 643	Low		Exceptional	Married	6
## 644	Low		Exceptional	Married	11
## 645	High	Exceeds	Expectations	Married	8
## 646	Very High	Exceeds	Expectations	Married	24
## 647	Very High		Exceptional	Divorced	7
## 648	Very High		Exceptional	Married	6
## 649	Very High	Meets	Expectations	Single	24
## 650	Very High		Exceptional	Single	2
## 651	Low	Meets	Expectations	Married	18
## 652	Very High	Exceeds	Expectations	Married	9
## 653	High	Exceeds	Expectations	Single	1
## 654	High	Meets	Expectations	Single	2
## 655	Very High	Minimally	Effective	Divorced	6
## 656	Very High	Meets	Expectations	Divorced	8
## 657	High	Minimally	Effective	Divorced	1
## 658	Medium		Exceptional	Single	11
## 659	High	Meets	Expectations	Single	2
## 660	Medium	Exceeds	Expectations	Single	9
## 661	Very High	Meets	Expectations	Married	1
## 662	Medium	Meets	Expectations	Married	2
## 663	High		Exceptional	Divorced	1
## 664	High		Exceptional	Married	10
## 665	Very High	Meets	Expectations	Married	20
## 666	Low	Exceeds	Expectations	Married	1
## 667	High	Exceeds	Expectations	Divorced	4
## 668	Very High	Meets	Expectations	Married	2
## 669	Medium	Exceeds	Expectations	Divorced	8
## 670	High	Exceeds	Expectations	Married	3
## 671	Low	Meets	Expectations	Married	7
## 672	High	Meets	Expectations	Married	1
## 673	Low	Exceeds	Expectations	Married	7
## 674	Medium	Meets	Expectations	Married	2
## 675	High	Meets	Expectations	Divorced	1
## 676	High	Meets	Expectations	Single	5
## 677	Low	Meets	Expectations	Married	24
## 678	Medium	Meets	Expectations	Divorced	5
## 679	High	Meets	Expectations	Married	4
## 680	Medium	Exceeds	Expectations	Married	15
## 681	Very High	Minimally	Effective	Divorced	7
## 682	Very High	Meets	Expectations	Single	3
## 683	Very High	Meets	Expectations	Divorced	9
## 684	Very High	Meets	Expectations	Married	1
## 685	Medium		Exceptional	Divorced	2
## 686	Very High	Exceeds	Expectations	Single	24
## 687	Very High	Exceeds	Expectations	Divorced	23
## 688	High	Meets	Expectations	Single	25
## 689	Very High	Exceeds	Expectations	Single	2
## 690	Very High	Exceeds	Expectations	Single	2

## 691	Very High Exceeds Expectations	Married	9
## 692	Low Exceptional	Married	26
## 693	Very High Exceeds Expectations	Married	7
## 694	Medium Meets Expectations	Single	7
## 695	High Exceptional	Single	7
## 696	Low Minimally Effective	Married	2
## 697	Low Meets Expectations	Single	2
## 698	Medium Exceeds Expectations	Divorced	1
## 699	High Meets Expectations	Married	7
## 700	Very High Meets Expectations	Single	24
## 701	Very High Exceptional	Divorced	7
## 702	Very High Exceeds Expectations	Married	7
## 703	High Exceptional	Married	11
## 704	High Exceeds Expectations	Married	1
## 705	High Meets Expectations	Married	19
## 706	High Exceeds Expectations	Single	1
## 707	Low Meets Expectations	Married	6
## 708	Very High Meets Expectations	Married	23
## 709	High Exceeds Expectations	Single	16
## 710	Very High Meets Expectations	Married	10
## 711	High Meets Expectations	Married	1
## 712	Low Exceeds Expectations	Single	17
## 713	High Meets Expectations	Married	19
## 714	High Exceeds Expectations	Married	6
## 715	Medium Meets Expectations	Single	1
## 716	Low Meets Expectations	Divorced	9
## 717	Very High Meets Expectations	Single	21
## 718	Very High Exceeds Expectations	Married	10
## 719	Very High Meets Expectations	Married	11
## 720	Low Exceeds Expectations	Married	1
## 721	Low Exceptional	Married	7
## 722	Very High Exceptional	Single	2
## 723	Medium Exceeds Expectations	Married	1
## 724	Very High Not Effective	Married	2
## 725	Medium Exceeds Expectations	Married	16
## 726	Medium Minimally Effective	Married	11
## 727	Very High Exceptional	Divorced	16
## 728	Very High Meets Expectations	Divorced	28
## 729	Very High Exceeds Expectations	Married	8
## 730	Medium Exceeds Expectations	Divorced	3
## 731	Very High Exceptional	Divorced	2
## 732	Very High Exceptional	Single	23
## 733	High Exceptional	Married	10
## 734	Low Exceptional	Married	10
## 735	High Meets Expectations	Divorced	4
## 736	Very High Exceptional	Divorced	10
## 737	High Exceeds Expectations	Divorced	7
## 738	Low Exceptional	Divorced	15
## 739	Very High Exceeds Expectations	Divorced	8
## 740	Low Exceptional	Divorced	3
## 741	Low Exceeds Expectations	Divorced	4
## 742	Low Minimally Effective	Single	9
## 743	Very High Meets Expectations	Married	1
## 744	Very High Meets Expectations	Married	1

## 745	Very High	Exceptional	Single	5
## 746	Medium	Meets Expectations	Single	2
## 747	High	Minimally Effective	Divorced	6
## 748	Very High	Meets Expectations	Single	13
## 749	Medium	Exceeds Expectations	Single	6
## 750	Low	Meets Expectations	Single	12
## 751	Very High	Exceptional	Single	3
## 752	Very High	Meets Expectations	Married	4
## 753	Low	Meets Expectations	Single	16
## 754	Low	Meets Expectations	Single	11
## 755	Low	Exceeds Expectations	Divorced	19
## 756	High	Meets Expectations	Married	2
## 757	High	Exceptional	Married	28
## 758	Medium	Minimally Effective	Single	20
## 759	Medium	Exceeds Expectations	Divorced	5
## 760	High	Exceeds Expectations	Married	2
## 761	Medium	Exceptional	Married	2
## 762	Very High	Exceptional	Married	1
## 763	High	Exceeds Expectations	Single	10
## 764	Low	Exceeds Expectations	Single	14
## 765	Low	Exceeds Expectations	Divorced	1
## 766	Very High	Meets Expectations	Divorced	10
## 767	Medium	Meets Expectations	Divorced	9
## 768	Low	Exceptional	Married	3
## 769	Very High	Exceptional	Divorced	1
## 770	Low	Exceptional	Married	6
## 771	High	Exceeds Expectations	Married	1
## 772	Very High	Exceptional	Married	2
## 773	Very High	Exceeds Expectations	Married	2
## 774	Medium	Exceeds Expectations	Married	4
## 775	Very High	Meets Expectations	Divorced	8
## 776	High	Exceptional	Divorced	3
## 777	Medium	Meets Expectations	Married	24
## 778	Very High	Meets Expectations	Married	24
## 779	Very High	Exceptional	Single	21
## 780	Medium	Meets Expectations	Single	5
## 781	Very High	Meets Expectations	Married	2
## 782	Very High	Exceeds Expectations	Single	9
## 783	Low	Exceeds Expectations	Divorced	12
## 784	Very High	Exceeds Expectations	Divorced	1
## 785	Low	Exceptional	Single	1
## 786	Low	Meets Expectations	Married	1
## 787	Medium	Exceptional	Married	2
## 788	High	Exceeds Expectations	Married	8
## 789	Medium	Exceeds Expectations	Single	7
## 790	Medium	Meets Expectations	Married	10
## 791	Medium	Meets Expectations	Married	8
## 792	High	Exceeds Expectations	Married	2
## 793	Low	Meets Expectations	Married	15
## 794	Very High	Exceeds Expectations	Married	26
## 795	High	Exceptional	Married	3
## 796	High	Minimally Effective	Single	24
## 797	Low	Exceptional	Divorced	29
## 798	Medium	Minimally Effective	Married	14

## 799	Medium	Exceeds	Expectations	Married	1
## 800	Medium	Exceeds	Expectations	Single	25
## 801	High	Meets	Expectations	Divorced	8
## 802	Medium	Meets	Expectations	Married	2
## 803	High	Minimally	Effective	Single	17
## 804	High	Meets	Expectations	Single	7
## 805	High		Exceptional	Single	10
## 806	Low		Exceptional	Single	2
## 807	High		Exceptional	Married	5
## 808	Very High	Meets	Expectations	Single	2
## 809	Low	Meets	Expectations	Divorced	1
## 810	Medium	Minimally	Effective	Single	20
## 811	High	Meets	Expectations	Married	9
## 812	Low		Exceptional	Married	1
## 813	Low		Exceptional	Married	25
## 814	Very High	Meets	Expectations	Married	2
## 815	Very High	Meets	Expectations	Married	19
## 816	High	Exceeds	Expectations	Single	29
## 817	High		Exceptional	Single	2
## 818	Low	Exceeds	Expectations	Divorced	9
## 819	Medium		Exceptional	Married	23
## 820	Very High	Meets	Expectations	Divorced	2
## 821	Very High	Exceeds	Expectations	Single	5
## 822	Low	Meets	Expectations	Married	23
## 823	Medium	Exceeds	Expectations	Married	1
## 824	Very High	Meets	Expectations	Divorced	7
## 825	High	Exceeds	Expectations	Married	6
## 826	Medium	Exceeds	Expectations	Married	13
## 827	Low	Exceeds	Expectations	Single	2
## 828	Low	Meets	Expectations	Married	8
## 829	High	Exceeds	Expectations	Single	10
## 830	Very High		Exceptional	Single	29
## 831	Very High	Meets	Expectations	Married	7
## 832	Very High		Exceptional	Divorced	5
## 833	High		Not Effective	Single	10
## 834	Medium	Meets	Expectations	Single	1
## 835	High	Meets	Expectations	Divorced	3
## 836	Low	Minimally	Effective	Single	23
## 837	Medium	Meets	Expectations	Married	3
## 838	Very High	Exceeds	Expectations	Married	1
## 839	Medium	Minimally	Effective	Married	19
## 840	High	Meets	Expectations	Divorced	16
## 841	High	Meets	Expectations	Married	22
## 842	Low	Exceeds	Expectations	Married	2
## 843	High	Exceeds	Expectations	Divorced	2
## 844	Low	Meets	Expectations	Divorced	6
## 845	High	Meets	Expectations	Single	9
## 846	Very High	Exceeds	Expectations	Single	23
## 847	High	Exceeds	Expectations	Single	14
## 848	Very High		Exceptional	Single	1
## 849	High	Meets	Expectations	Single	2
## 850	High		Exceptional	Married	3
## 851	High		Exceptional	Divorced	14
## 852	Low	Exceeds	Expectations	Divorced	17

## 853	Very High	Meets Expectations	Divorced	26
## 854	Very High	Minimally Effective	Single	2
## 855	High	Minimally Effective	Divorced	21
## 856	High	Exceeds Expectations	Single	18
## 857	Low	Not Effective	Married	6
## 858	Very High	Meets Expectations	Single	9
## 859	Very High	Exceeds Expectations	Single	9
## 860	High	Exceptional	Married	10
## 861	Low	Meets Expectations	Married	16
## 862	Very High	Exceeds Expectations	Single	18
## 863	Medium	Meets Expectations	Single	2
## 864	Low	Meets Expectations	Single	9
## 865	High	Exceeds Expectations	Married	4
## 866	High	Meets Expectations	Married	1
## 867	Very High	Minimally Effective	Single	24
## 868	Medium	Exceeds Expectations	Married	9
## 869	High	Meets Expectations	Single	3
## 870	Very High	Minimally Effective	Single	9
## 871	High	Exceptional	Divorced	10
## 872	Very High	Meets Expectations	Married	9
## 873	High	Not Effective	Divorced	19
## 874	Low	Exceeds Expectations	Married	14
## 875	High	Exceeds Expectations	Married	16
## 876	Medium	Exceeds Expectations	Married	2
## 877	Very High	Meets Expectations	Married	26
## 878	High	Exceeds Expectations	Married	20
## 879	Very High	Minimally Effective	Married	2
## 880	Low	Meets Expectations	Married	6
## 881	High	Meets Expectations	Single	28
## 882	Medium	Exceptional	Married	12
## 883	Very High	Exceeds Expectations	Single	2
## 884	Very High	Exceptional	Married	3
## 885	Low	Meets Expectations	Married	26
## 886	Low	Exceptional	Married	8
## 887	Very High	Exceeds Expectations	Single	10
## 888	Low	Meets Expectations	Single	2
## 889	High	Exceptional	Married	2
## 890	Very High	Exceeds Expectations	Married	10
## 891	Medium	Exceptional	Married	6
## 892	Low	Exceeds Expectations	Divorced	4
## 893	Very High	Exceeds Expectations	Single	1
## 894	High	Meets Expectations	Divorced	9
## 895	High	Meets Expectations	Single	1
## 896	Very High	Exceeds Expectations	Married	4
## 897	High	Meets Expectations	Married	1
## 898	High	Minimally Effective	Divorced	7
## 899	Very High	Meets Expectations	Single	10
## 900	Very High	Exceptional	Married	3
## 901	Very High	Meets Expectations	Married	6
## 902	High	Exceptional	Divorced	14
## 903	Medium	Exceptional	Single	3
## 904	High	Not Effective	Divorced	15
## 905	Very High	Meets Expectations	Married	21
## 906	Very High	Meets Expectations	Divorced	19

## 907	High	Meets Expectations	Married	1
## 908	High	Minimally Effective	Divorced	8
## 909	Medium	Minimally Effective	Divorced	3
## 910	Very High	Exceptional	Single	9
## 911	Very High	Meets Expectations	Married	1
## 912	Very High	Meets Expectations	Married	3
## 913	High	Meets Expectations	Single	10
## 914	Very High	Meets Expectations	Single	25
## 915	High	Meets Expectations	Divorced	16
## 916	Low	Meets Expectations	Single	7
## 917	High	Meets Expectations	Divorced	23
## 918	Medium	Meets Expectations	Divorced	9
## 919	Very High	Exceeds Expectations	Married	11
## 920	Low	Exceptional	Married	26
## 921	Low	Exceeds Expectations	Divorced	1
## 922	Very High	Meets Expectations	Single	10
## 923	High	Meets Expectations	Single	1
## 924	High	Meets Expectations	Divorced	11
## 925	Very High	Minimally Effective	Divorced	2
## 926	Medium	Exceptional	Married	7
## 927	High	Meets Expectations	Single	16
## 928	Very High	Meets Expectations	Divorced	2
## 929	High	Meets Expectations	Married	23
## 930	Low	Meets Expectations	Single	26
## 931	Very High	Exceeds Expectations	Divorced	29
## 932	Very High	Exceptional	Single	3
## 933	Very High	Exceeds Expectations	Married	2
## 934	Medium	Meets Expectations	Married	2
## 935	High	Exceeds Expectations	Single	29
## 936	Medium	Meets Expectations	Single	10
## 937	Very High	Exceptional	Divorced	7
## 938	Medium	Exceeds Expectations	Married	22
## 939	Very High	Exceptional	Single	7
## 940	Low	Meets Expectations	Married	2
## 941	High	Exceptional	Married	27
## 942	Very High	Meets Expectations	Married	2
## 943	Low	Meets Expectations	Married	1
## 944	Very High	Meets Expectations	Divorced	2
## 945	High	Exceptional	Divorced	10
## 946	Low	Exceptional	Married	1
## 947	Low	Exceeds Expectations	Married	9
## 948	High	Exceeds Expectations	Married	5
## 949	High	Minimally Effective	Married	8
## 950	High	Exceeds Expectations	Married	28
## 951	High	Exceeds Expectations	Divorced	24
## 952	High	Meets Expectations	Single	1
## 953	Medium	Meets Expectations	Single	10
## 954	Medium	Exceeds Expectations	Married	8
## 955	Low	Exceptional	Married	8
## 956	High	Meets Expectations	Married	9
## 957	Low	Minimally Effective	Single	25
## 958	High	Meets Expectations	Divorced	3
## 959	Very High	Meets Expectations	Single	12
## 960	Very High	Exceeds Expectations	Married	23



## 961	High	Meets	Expectations	Married	3
## 962	Low	Exceeds	Expectations	Married	4
## 963	Medium	Exceeds	Expectations	Single	1
## 964	Very High	Exceeds	Expectations	Single	9
## 965	Very High	Exceeds	Expectations	Divorced	15
## 966	Low	Meets	Expectations	Single	1
## 967	Medium	Meets	Expectations	Divorced	2
## 968	Very High	Meets	Expectations	Single	2
## 969	High	Exceeds	Expectations	Married	28
## 970	Medium	Exceeds	Expectations	Single	14
## 971	Very High	Exceeds	Expectations	Married	2
## 972	High	Meets	Expectations	Married	2
## 973	High		Exceptional	Single	1
## 974	Very High	Minimally	Effective	Divorced	2
## 975	Very High	Meets	Expectations	Married	9
## 976	Very High		Exceptional	Married	2
## 977	High	Meets	Expectations	Married	7
## 978	Medium	Meets	Expectations	Single	2
## 979	High	Meets	Expectations	Single	8
## 980	High		Exceptional	Single	2
## 981	High	Exceeds	Expectations	Single	2
## 982	Very High		Exceptional	Married	6
## 983	Very High	Exceeds	Expectations	Divorced	6
## 984	Very High	Meets	Expectations	Single	2
## 985	Low	Meets	Expectations	Divorced	9
## 986	Medium	Exceeds	Expectations	Married	23
## 987	Low	Meets	Expectations	Married	3
## 988	Very High	Meets	Expectations	Divorced	5
## 989	Very High	Meets	Expectations	Married	20
## 990	Very High	Exceeds	Expectations	Married	4
## 991	Medium	Exceeds	Expectations	Single	28
## 992	High		Exceptional	Single	20
## 993	Low	Meets	Expectations	Single	29
## 994	Low	Exceeds	Expectations	Single	10
## 995	Medium	Meets	Expectations	Single	2
## 996	High	Meets	Expectations	Single	6
## 997	Medium	Exceeds	Expectations	Divorced	12
## 998	Medium	Exceeds	Expectations	Single	1
## 999	High	Exceeds	Expectations	Divorced	1
## 1000	Very High		Exceptional	Divorced	12
## 1001	Medium	Meets	Expectations	Single	1
## 1002	Low	Meets	Expectations	Divorced	3
## 1003	Medium	Meets	Expectations	Married	1
## 1004	Very High	Exceeds	Expectations	Single	1
## 1005	High	Meets	Expectations	Divorced	25
## 1006	Very High		Exceptional	Married	12
## 1007	Very High	Exceeds	Expectations	Married	2
## 1008	Medium	Exceeds	Expectations	Married	1
## 1009	Very High	Exceeds	Expectations	Married	24
## 1010	High	Minimally	Effective	Single	10
## 1011	High	Exceeds	Expectations	Married	1
## 1012	Very High	Meets	Expectations	Married	14
## 1013	Very High		Exceptional	Divorced	9
## 1014	High	Exceeds	Expectations	Divorced	7

## 1015	Medium	Meets Expectations	Divorced	10
## 1016	Low	Exceptional	Married	8
## 1017	Medium	Exceptional	Married	7
## 1018	Medium	Exceptional	Married	14
## 1019	High	Minimally Effective	Divorced	5
## 1020	High	Minimally Effective	Single	4
## 1021	Very High	Exceeds Expectations	Married	12
## 1022	Very High	Exceeds Expectations	Married	3
## 1023	Medium	Exceptional	Single	1
## 1024	High	Exceeds Expectations	Married	7
## 1025	Medium	Exceptional	Married	22
## 1026	High	Meets Expectations	Married	24
## 1027	High	Exceeds Expectations	Single	7
## 1028	Very High	Meets Expectations	Single	8
## 1029	High	Exceeds Expectations	Married	7
##	knn_pred_0.5	No Yes		
## 1	No	1.00000000 0.00000000		
## 2	No	1.00000000 0.00000000		
## 3	No	0.55815247 0.44184753		
## 4	No	1.00000000 0.00000000		
## 5	No	1.00000000 0.00000000		
## 6	No	0.52023256 0.47976744		
## 7	No	1.00000000 0.00000000		
## 8	No	1.00000000 0.00000000		
## 9	No	1.00000000 0.00000000		
## 10	No	1.00000000 0.00000000		
## 11	No	1.00000000 0.00000000		
## 12	Yes	0.00000000 1.00000000		
## 13	No	1.00000000 0.00000000		
## 14	No	1.00000000 0.00000000		
## 15	Yes	0.29807384 0.70192616		
## 16	No	1.00000000 0.00000000		
## 17	No	0.98298276 0.01701724		
## 18	No	1.00000000 0.00000000		
## 19	No	1.00000000 0.00000000		
## 20	No	1.00000000 0.00000000		
## 21	No	1.00000000 0.00000000		
## 22	No	1.00000000 0.00000000		
## 23	Yes	0.23129126 0.76870874		
## 24	No	1.00000000 0.00000000		
## 25	No	1.00000000 0.00000000		
## 26	No	1.00000000 0.00000000		
## 27	No	0.57516971 0.42483029		
## 28	No	1.00000000 0.00000000		
## 29	Yes	0.49678469 0.50321531		
## 30	No	1.00000000 0.00000000		
## 31	No	1.00000000 0.00000000		
## 32	No	1.00000000 0.00000000		
## 33	No	1.00000000 0.00000000		
## 34	No	1.00000000 0.00000000		
## 35	Yes	0.26015393 0.73984607		
## 36	No	1.00000000 0.00000000		
## 37	No	1.00000000 0.00000000		
## 38	No	1.00000000 0.00000000		

## 39	Yes	0.00000000	1.00000000
## 40	No	1.00000000	0.00000000
## 41	No	1.00000000	0.00000000
## 42	No	1.00000000	0.00000000
## 43	No	1.00000000	0.00000000
## 44	Yes	0.47442795	0.52557205
## 45	No	1.00000000	0.00000000
## 46	No	1.00000000	0.00000000
## 47	No	1.00000000	0.00000000
## 48	No	0.89925824	0.10074176
## 49	No	1.00000000	0.00000000
## 50	No	1.00000000	0.00000000
## 51	No	1.00000000	0.00000000
## 52	Yes	0.15933687	0.84066313
## 53	No	1.00000000	0.00000000
## 54	Yes	0.00000000	1.00000000
## 55	No	1.00000000	0.00000000
## 56	No	1.00000000	0.00000000
## 57	No	1.00000000	0.00000000
## 58	No	1.00000000	0.00000000
## 59	No	1.00000000	0.00000000
## 60	Yes	0.07195439	0.92804561
## 61	Yes	0.24313669	0.75686331
## 62	No	1.00000000	0.00000000
## 63	No	1.00000000	0.00000000
## 64	Yes	0.05493715	0.94506285
## 65	Yes	0.34387845	0.65612155
## 66	No	1.00000000	0.00000000
## 67	No	1.00000000	0.00000000
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## 69	No	1.00000000	0.00000000
## 70	No	1.00000000	0.00000000
## 71	Yes	0.00000000	1.00000000
## 72	Yes	0.17269615	0.82730385
## 73	No	1.00000000	0.00000000
## 74	No	1.00000000	0.00000000
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## 80	No	0.84066313	0.15933687
## 81	No	1.00000000	0.00000000
## 82	No	0.94506285	0.05493715
## 83	No	1.00000000	0.00000000
## 84	Yes	0.15933687	0.84066313
## 85	No	1.00000000	0.00000000
## 86	No	1.00000000	0.00000000
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## 93	No	1.00000000	0.00000000
## 94	No	1.00000000	0.00000000
## 95	Yes	0.00000000	1.00000000
## 96	No	1.00000000	0.00000000
## 97	Yes	0.15933687	0.84066313
## 98	Yes	0.42483029	0.57516971
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## 112	No	1.00000000	0.00000000
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## 114	Yes	0.00000000	1.00000000
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## 116	No	1.00000000	0.00000000
## 117	Yes	0.24313669	0.75686331
## 118	No	1.00000000	0.00000000
## 119	Yes	0.05493715	0.94506285
## 120	No	1.00000000	0.00000000
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## 123	Yes	0.47442795	0.52557205
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## 130	Yes	0.01701724	0.98298276
## 131	No	1.00000000	0.00000000
## 132	Yes	0.00000000	1.00000000
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## 134	Yes	0.24313669	0.75686331
## 135	Yes	0.00000000	1.00000000
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## 146	Yes	0.15933687	0.84066313

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## 200	Yes	0.00000000	1.00000000

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## 204	Yes	0.00000000	1.00000000
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## 207	Yes	0.01701724	0.98298276
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## 211	Yes	0.21427402	0.78572598
## 212	No	0.73984607	0.26015393
## 213	No	0.94506285	0.05493715
## 214	Yes	0.05493715	0.94506285
## 215	Yes	0.00000000	1.00000000
## 216	No	1.00000000	0.00000000
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## 218	Yes	0.00000000	1.00000000
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## 220	Yes	0.05493715	0.94506285
## 221	No	1.00000000	0.00000000
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## 224	No	1.00000000	0.00000000
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## 226	No	0.94506285	0.05493715
## 227	No	1.00000000	0.00000000
## 228	Yes	0.01701724	0.98298276
## 229	No	0.55815247	0.44184753
## 230	No	1.00000000	0.00000000
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## 232	No	0.82730385	0.17269615
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## 238	No	1.00000000	0.00000000
## 239	Yes	0.39881560	0.60118440
## 240	No	1.00000000	0.00000000
## 241	No	0.98298276	0.01701724
## 242	No	0.84432109	0.15567891
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## 247	No	0.59752645	0.40247355
## 248	Yes	0.00000000	1.00000000
## 249	Yes	0.47442795	0.52557205
## 250	No	1.00000000	0.00000000
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## 252	No	0.57516971	0.42483029
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## 255	No	1.00000000	0.00000000
## 256	Yes	0.00000000	1.00000000
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## 271	Yes	0.39881560	0.60118440
## 272	No	1.00000000	0.00000000
## 273	Yes	0.00000000	1.00000000
## 274	No	1.00000000	0.00000000
## 275	Yes	0.17269615	0.82730385
## 276	No	1.00000000	0.00000000
## 277	Yes	0.33203302	0.66796698
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## 291	Yes	0.31509108	0.68490892
## 292	Yes	0.05493715	0.94506285
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## 300	No	0.75686331	0.24313669
## 301	No	1.00000000	0.00000000
## 302	Yes	0.00000000	1.00000000
## 303	Yes	0.00000000	1.00000000
## 304	No	0.89925824	0.10074176
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## 306	Yes	0.00000000	1.00000000
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## 308	No	1.00000000	0.00000000

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## 312	Yes	0.15567891	0.84432109
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## 316	Yes	0.01701724	0.98298276
## 317	No	1.00000000	0.00000000
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## 319	No	1.00000000	0.00000000
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## 326	Yes	0.41949080	0.58050920
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## 338	Yes	0.36089569	0.63910431
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## 361	No	0.76870874	0.23129126
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## 397	Yes	0.00000000	1.00000000
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## 399	Yes	0.47442795	0.52557205
## 400	Yes	0.24313669	0.75686331
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## 561	Yes	0.00000000	1.00000000
## 562	No	0.75686331	0.24313669
## 563	No	0.82730385	0.17269615
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## 591	No	1.00000000	0.00000000
## 592	No	1.00000000	0.00000000
## 593	No	1.00000000	0.00000000
## 594	No	0.75686331	0.24313669
## 595	Yes	0.00000000	1.00000000
## 596	No	1.00000000	0.00000000
## 597	No	1.00000000	0.00000000
## 598	No	1.00000000	0.00000000
## 599	No	1.00000000	0.00000000
## 600	No	1.00000000	0.00000000
## 601	No	0.84066313	0.15933687
## 602	No	1.00000000	0.00000000
## 603	No	1.00000000	0.00000000
## 604	No	1.00000000	0.00000000
## 605	Yes	0.24313669	0.75686331
## 606	Yes	0.00000000	1.00000000
## 607	No	1.00000000	0.00000000
## 608	No	1.00000000	0.00000000
## 609	No	1.00000000	0.00000000
## 610	No	1.00000000	0.00000000
## 611	No	1.00000000	0.00000000
## 612	No	1.00000000	0.00000000
## 613	No	1.00000000	0.00000000
## 614	No	0.89925824	0.10074176
## 615	No	0.60118440	0.39881560
## 616	No	1.00000000	0.00000000
## 617	No	1.00000000	0.00000000
## 618	No	1.00000000	0.00000000
## 619	No	1.00000000	0.00000000
## 620	No	1.00000000	0.00000000
## 621	No	1.00000000	0.00000000
## 622	No	1.00000000	0.00000000
## 623	No	1.00000000	0.00000000
## 624	No	1.00000000	0.00000000
## 625	No	1.00000000	0.00000000
## 626	No	0.75686331	0.24313669
## 627	Yes	0.33203302	0.66796698
## 628	No	1.00000000	0.00000000
## 629	No	1.00000000	0.00000000
## 630	No	1.00000000	0.00000000
## 631	No	1.00000000	0.00000000
## 632	No	1.00000000	0.00000000

## 633	No	1.00000000	0.00000000
## 634	No	1.00000000	0.00000000
## 635	No	1.00000000	0.00000000
## 636	No	0.94506285	0.05493715
## 637	No	1.00000000	0.00000000
## 638	No	1.00000000	0.00000000
## 639	No	1.00000000	0.00000000
## 640	No	1.00000000	0.00000000
## 641	No	0.75686331	0.24313669
## 642	No	1.00000000	0.00000000
## 643	No	1.00000000	0.00000000
## 644	No	1.00000000	0.00000000
## 645	No	1.00000000	0.00000000
## 646	No	1.00000000	0.00000000
## 647	No	1.00000000	0.00000000
## 648	No	1.00000000	0.00000000
## 649	Yes	0.00000000	1.00000000
## 650	No	1.00000000	0.00000000
## 651	No	1.00000000	0.00000000
## 652	No	1.00000000	0.00000000
## 653	No	1.00000000	0.00000000
## 654	No	0.88224100	0.11775900
## 655	No	1.00000000	0.00000000
## 656	No	1.00000000	0.00000000
## 657	Yes	0.41583284	0.58416716
## 658	No	1.00000000	0.00000000
## 659	No	1.00000000	0.00000000
## 660	No	0.89925824	0.10074176
## 661	No	1.00000000	0.00000000
## 662	No	1.00000000	0.00000000
## 663	No	1.00000000	0.00000000
## 664	No	1.00000000	0.00000000
## 665	No	1.00000000	0.00000000
## 666	No	1.00000000	0.00000000
## 667	No	1.00000000	0.00000000
## 668	No	1.00000000	0.00000000
## 669	No	1.00000000	0.00000000
## 670	No	1.00000000	0.00000000
## 671	No	1.00000000	0.00000000
## 672	No	1.00000000	0.00000000
## 673	No	1.00000000	0.00000000
## 674	No	1.00000000	0.00000000
## 675	No	1.00000000	0.00000000
## 676	Yes	0.00000000	1.00000000
## 677	No	1.00000000	0.00000000
## 678	No	1.00000000	0.00000000
## 679	No	1.00000000	0.00000000
## 680	No	1.00000000	0.00000000
## 681	No	1.00000000	0.00000000
## 682	No	1.00000000	0.00000000
## 683	No	1.00000000	0.00000000
## 684	No	1.00000000	0.00000000
## 685	No	1.00000000	0.00000000
## 686	Yes	0.00000000	1.00000000

## 687	No	1.00000000	0.00000000
## 688	No	0.98298276	0.01701724
## 689	No	1.00000000	0.00000000
## 690	No	1.00000000	0.00000000
## 691	No	1.00000000	0.00000000
## 692	No	0.98298276	0.01701724
## 693	No	1.00000000	0.00000000
## 694	Yes	0.26015393	0.73984607
## 695	No	1.00000000	0.00000000
## 696	No	1.00000000	0.00000000
## 697	No	0.78572598	0.21427402
## 698	No	1.00000000	0.00000000
## 699	No	1.00000000	0.00000000
## 700	No	1.00000000	0.00000000
## 701	No	1.00000000	0.00000000
## 702	No	1.00000000	0.00000000
## 703	No	1.00000000	0.00000000
## 704	No	1.00000000	0.00000000
## 705	No	1.00000000	0.00000000
## 706	No	1.00000000	0.00000000
## 707	No	1.00000000	0.00000000
## 708	No	0.50321531	0.49678469
## 709	No	1.00000000	0.00000000
## 710	No	1.00000000	0.00000000
## 711	No	1.00000000	0.00000000
## 712	No	1.00000000	0.00000000
## 713	No	1.00000000	0.00000000
## 714	Yes	0.24313669	0.75686331
## 715	Yes	0.11775900	0.88224100
## 716	No	1.00000000	0.00000000
## 717	No	1.00000000	0.00000000
## 718	No	1.00000000	0.00000000
## 719	No	1.00000000	0.00000000
## 720	No	1.00000000	0.00000000
## 721	No	1.00000000	0.00000000
## 722	No	1.00000000	0.00000000
## 723	No	1.00000000	0.00000000
## 724	Yes	0.47442795	0.52557205
## 725	No	1.00000000	0.00000000
## 726	Yes	0.00000000	1.00000000
## 727	No	1.00000000	0.00000000
## 728	No	1.00000000	0.00000000
## 729	No	1.00000000	0.00000000
## 730	No	1.00000000	0.00000000
## 731	No	1.00000000	0.00000000
## 732	No	1.00000000	0.00000000
## 733	No	1.00000000	0.00000000
## 734	No	1.00000000	0.00000000
## 735	No	1.00000000	0.00000000
## 736	No	1.00000000	0.00000000
## 737	No	1.00000000	0.00000000
## 738	No	1.00000000	0.00000000
## 739	No	1.00000000	0.00000000
## 740	No	1.00000000	0.00000000

## 741	No	1.00000000	0.00000000
## 742	Yes	0.01701724	0.98298276
## 743	No	1.00000000	0.00000000
## 744	No	1.00000000	0.00000000
## 745	No	1.00000000	0.00000000
## 746	No	1.00000000	0.00000000
## 747	Yes	0.00000000	1.00000000
## 748	No	1.00000000	0.00000000
## 749	No	1.00000000	0.00000000
## 750	Yes	0.15933687	0.84066313
## 751	No	1.00000000	0.00000000
## 752	No	1.00000000	0.00000000
## 753	No	0.57516971	0.42483029
## 754	Yes	0.10074176	0.89925824
## 755	No	1.00000000	0.00000000
## 756	No	1.00000000	0.00000000
## 757	No	1.00000000	0.00000000
## 758	No	1.00000000	0.00000000
## 759	No	1.00000000	0.00000000
## 760	No	1.00000000	0.00000000
## 761	No	1.00000000	0.00000000
## 762	No	1.00000000	0.00000000
## 763	No	1.00000000	0.00000000
## 764	No	1.00000000	0.00000000
## 765	No	1.00000000	0.00000000
## 766	No	1.00000000	0.00000000
## 767	No	1.00000000	0.00000000
## 768	No	0.98298276	0.01701724
## 769	No	1.00000000	0.00000000
## 770	No	1.00000000	0.00000000
## 771	No	1.00000000	0.00000000
## 772	No	1.00000000	0.00000000
## 773	No	1.00000000	0.00000000
## 774	No	1.00000000	0.00000000
## 775	Yes	0.17269615	0.82730385
## 776	No	1.00000000	0.00000000
## 777	Yes	0.47442795	0.52557205
## 778	No	1.00000000	0.00000000
## 779	No	1.00000000	0.00000000
## 780	Yes	0.05493715	0.94506285
## 781	No	1.00000000	0.00000000
## 782	No	1.00000000	0.00000000
## 783	No	1.00000000	0.00000000
## 784	No	1.00000000	0.00000000
## 785	No	1.00000000	0.00000000
## 786	No	1.00000000	0.00000000
## 787	No	1.00000000	0.00000000
## 788	No	1.00000000	0.00000000
## 789	No	1.00000000	0.00000000
## 790	No	1.00000000	0.00000000
## 791	No	1.00000000	0.00000000
## 792	No	1.00000000	0.00000000
## 793	No	1.00000000	0.00000000
## 794	No	1.00000000	0.00000000



## 795	No	1.00000000	0.00000000
## 796	Yes	0.15933687	0.84066313
## 797	No	1.00000000	0.00000000
## 798	Yes	0.17635411	0.82364589
## 799	No	1.00000000	0.00000000
## 800	No	0.89925824	0.10074176
## 801	No	1.00000000	0.00000000
## 802	No	1.00000000	0.00000000
## 803	No	1.00000000	0.00000000
## 804	No	1.00000000	0.00000000
## 805	No	1.00000000	0.00000000
## 806	No	1.00000000	0.00000000
## 807	No	1.00000000	0.00000000
## 808	No	1.00000000	0.00000000
## 809	No	1.00000000	0.00000000
## 810	Yes	0.00000000	1.00000000
## 811	No	1.00000000	0.00000000
## 812	No	1.00000000	0.00000000
## 813	No	1.00000000	0.00000000
## 814	No	1.00000000	0.00000000
## 815	No	1.00000000	0.00000000
## 816	Yes	0.24313669	0.75686331
## 817	No	1.00000000	0.00000000
## 818	No	1.00000000	0.00000000
## 819	No	1.00000000	0.00000000
## 820	Yes	0.11775900	0.88224100
## 821	No	1.00000000	0.00000000
## 822	No	1.00000000	0.00000000
## 823	No	0.89925824	0.10074176
## 824	No	1.00000000	0.00000000
## 825	No	1.00000000	0.00000000
## 826	No	1.00000000	0.00000000
## 827	No	0.84066313	0.15933687
## 828	No	0.84066313	0.15933687
## 829	No	1.00000000	0.00000000
## 830	No	1.00000000	0.00000000
## 831	No	1.00000000	0.00000000
## 832	No	1.00000000	0.00000000
## 833	Yes	0.00000000	1.00000000
## 834	No	1.00000000	0.00000000
## 835	No	1.00000000	0.00000000
## 836	Yes	0.00000000	1.00000000
## 837	No	1.00000000	0.00000000
## 838	No	1.00000000	0.00000000
## 839	Yes	0.00000000	1.00000000
## 840	No	1.00000000	0.00000000
## 841	Yes	0.00000000	1.00000000
## 842	No	1.00000000	0.00000000
## 843	No	1.00000000	0.00000000
## 844	No	1.00000000	0.00000000
## 845	No	1.00000000	0.00000000
## 846	No	1.00000000	0.00000000
## 847	No	1.00000000	0.00000000
## 848	No	1.00000000	0.00000000

## 849	Yes	0.17635411	0.82364589
## 850	No	1.00000000	0.00000000
## 851	No	1.00000000	0.00000000
## 852	No	1.00000000	0.00000000
## 853	No	1.00000000	0.00000000
## 854	No	0.84066313	0.15933687
## 855	Yes	0.10074176	0.89925824
## 856	No	1.00000000	0.00000000
## 857	Yes	0.15933687	0.84066313
## 858	Yes	0.26007863	0.73992137
## 859	No	1.00000000	0.00000000
## 860	No	1.00000000	0.00000000
## 861	No	0.94506285	0.05493715
## 862	No	1.00000000	0.00000000
## 863	Yes	0.00000000	1.00000000
## 864	Yes	0.00000000	1.00000000
## 865	No	1.00000000	0.00000000
## 866	No	1.00000000	0.00000000
## 867	Yes	0.15933687	0.84066313
## 868	No	1.00000000	0.00000000
## 869	Yes	0.00000000	1.00000000
## 870	Yes	0.10074176	0.89925824
## 871	No	1.00000000	0.00000000
## 872	No	1.00000000	0.00000000
## 873	Yes	0.00000000	1.00000000
## 874	No	1.00000000	0.00000000
## 875	No	0.57516971	0.42483029
## 876	No	1.00000000	0.00000000
## 877	Yes	0.29807384	0.70192616
## 878	Yes	0.01701724	0.98298276
## 879	Yes	0.05493715	0.94506285
## 880	No	1.00000000	0.00000000
## 881	No	0.68490892	0.31509108
## 882	No	1.00000000	0.00000000
## 883	No	1.00000000	0.00000000
## 884	No	1.00000000	0.00000000
## 885	Yes	0.10074176	0.89925824
## 886	No	1.00000000	0.00000000
## 887	No	1.00000000	0.00000000
## 888	Yes	0.01701724	0.98298276
## 889	No	1.00000000	0.00000000
## 890	No	1.00000000	0.00000000
## 891	No	1.00000000	0.00000000
## 892	No	1.00000000	0.00000000
## 893	No	1.00000000	0.00000000
## 894	No	1.00000000	0.00000000
## 895	No	1.00000000	0.00000000
## 896	No	1.00000000	0.00000000
## 897	No	1.00000000	0.00000000
## 898	No	1.00000000	0.00000000
## 899	No	1.00000000	0.00000000
## 900	No	1.00000000	0.00000000
## 901	No	1.00000000	0.00000000
## 902	No	1.00000000	0.00000000

## 903	No	1.00000000	0.00000000
## 904	Yes	0.00000000	1.00000000
## 905	No	1.00000000	0.00000000
## 906	No	1.00000000	0.00000000
## 907	No	1.00000000	0.00000000
## 908	No	0.94506285	0.05493715
## 909	No	1.00000000	0.00000000
## 910	No	1.00000000	0.00000000
## 911	No	1.00000000	0.00000000
## 912	No	1.00000000	0.00000000
## 913	No	1.00000000	0.00000000
## 914	No	1.00000000	0.00000000
## 915	No	1.00000000	0.00000000
## 916	No	0.84066313	0.15933687
## 917	No	1.00000000	0.00000000
## 918	No	1.00000000	0.00000000
## 919	No	1.00000000	0.00000000
## 920	No	1.00000000	0.00000000
## 921	No	1.00000000	0.00000000
## 922	No	1.00000000	0.00000000
## 923	No	1.00000000	0.00000000
## 924	No	1.00000000	0.00000000
## 925	No	1.00000000	0.00000000
## 926	No	1.00000000	0.00000000
## 927	No	1.00000000	0.00000000
## 928	No	1.00000000	0.00000000
## 929	No	1.00000000	0.00000000
## 930	Yes	0.00000000	1.00000000
## 931	No	0.84066313	0.15933687
## 932	No	1.00000000	0.00000000
## 933	Yes	0.00000000	1.00000000
## 934	No	1.00000000	0.00000000
## 935	No	1.00000000	0.00000000
## 936	No	1.00000000	0.00000000
## 937	No	1.00000000	0.00000000
## 938	Yes	0.07195439	0.92804561
## 939	No	1.00000000	0.00000000
## 940	No	1.00000000	0.00000000
## 941	No	1.00000000	0.00000000
## 942	No	1.00000000	0.00000000
## 943	Yes	0.05493715	0.94506285
## 944	No	1.00000000	0.00000000
## 945	No	0.88224100	0.11775900
## 946	No	1.00000000	0.00000000
## 947	No	1.00000000	0.00000000
## 948	No	1.00000000	0.00000000
## 949	No	1.00000000	0.00000000
## 950	No	1.00000000	0.00000000
## 951	Yes	0.24313669	0.75686331
## 952	Yes	0.00000000	1.00000000
## 953	Yes	0.39881560	0.60118440
## 954	No	1.00000000	0.00000000
## 955	No	1.00000000	0.00000000
## 956	No	1.00000000	0.00000000

## 957	No	1.00000000	0.00000000
## 958	No	1.00000000	0.00000000
## 959	No	1.00000000	0.00000000
## 960	No	1.00000000	0.00000000
## 961	No	1.00000000	0.00000000
## 962	No	0.65612155	0.34387845
## 963	Yes	0.33203302	0.66796698
## 964	No	1.00000000	0.00000000
## 965	No	0.94506285	0.05493715
## 966	No	1.00000000	0.00000000
## 967	No	0.94506285	0.05493715
## 968	No	1.00000000	0.00000000
## 969	No	1.00000000	0.00000000
## 970	No	1.00000000	0.00000000
## 971	No	1.00000000	0.00000000
## 972	No	1.00000000	0.00000000
## 973	No	1.00000000	0.00000000
## 974	Yes	0.31501578	0.68498422
## 975	No	1.00000000	0.00000000
## 976	No	1.00000000	0.00000000
## 977	No	1.00000000	0.00000000
## 978	No	1.00000000	0.00000000
## 979	Yes	0.33203302	0.66796698
## 980	No	1.00000000	0.00000000
## 981	No	1.00000000	0.00000000
## 982	No	1.00000000	0.00000000
## 983	No	1.00000000	0.00000000
## 984	No	1.00000000	0.00000000
## 985	No	1.00000000	0.00000000
## 986	No	1.00000000	0.00000000
## 987	No	1.00000000	0.00000000
## 988	No	1.00000000	0.00000000
## 989	No	1.00000000	0.00000000
## 990	No	1.00000000	0.00000000
## 991	No	1.00000000	0.00000000
## 992	No	1.00000000	0.00000000
## 993	Yes	0.00000000	1.00000000
## 994	No	1.00000000	0.00000000
## 995	Yes	0.42483029	0.57516971
## 996	No	1.00000000	0.00000000
## 997	No	1.00000000	0.00000000
## 998	No	1.00000000	0.00000000
## 999	No	1.00000000	0.00000000
## 1000	No	1.00000000	0.00000000
## 1001	Yes	0.10074176	0.89925824
## 1002	No	1.00000000	0.00000000
## 1003	No	1.00000000	0.00000000
## 1004	No	1.00000000	0.00000000
## 1005	No	0.89925824	0.10074176
## 1006	No	1.00000000	0.00000000
## 1007	No	1.00000000	0.00000000
## 1008	No	1.00000000	0.00000000
## 1009	No	1.00000000	0.00000000
## 1010	No	0.89925824	0.10074176

```
## 1011      No 1.00000000 0.00000000
## 1012      No 1.00000000 0.00000000
## 1013      No 1.00000000 0.00000000
## 1014      No 1.00000000 0.00000000
## 1015      No 1.00000000 0.00000000
## 1016      No 1.00000000 0.00000000
## 1017      No 1.00000000 0.00000000
## 1018      No 1.00000000 0.00000000
## 1019      No 1.00000000 0.00000000
## 1020      Yes 0.00000000 1.00000000
## 1021      No 1.00000000 0.00000000
## 1022      Yes 0.41583284 0.58416716
## 1023      No 1.00000000 0.00000000
## 1024      Yes 0.00000000 1.00000000
## 1025      No 1.00000000 0.00000000
## 1026      No 1.00000000 0.00000000
## 1027      No 1.00000000 0.00000000
## 1028      No 1.00000000 0.00000000
## 1029      No 1.00000000 0.00000000
```

Next, we use the `cf_matrix()` function to search for an optimal probability cut-off value that maximizes the F<sub>1</sub> Score on the training data. The best cut-off is 0.4, with an F1 score of 0.98.

```
# Search for best probability cut-off
cf_matrix(actual_vec = knn_training_results$left_company,
          pred_prob_vec = knn_training_results$Yes,
          positive_val = "Yes",
          search_cut = TRUE)
```

##	cut_prob	correct_rate	F1_score	false_pos_rate	false_neg_rate
## 1	0.00	0.1622935	0.2792642	1.00000000	0.00000000
## 2	0.05	0.9329446	0.8287841	0.080046404	0.00000000
## 3	0.10	0.9446064	0.8542199	0.066125290	0.00000000
## 4	0.15	0.9601555	0.8906667	0.047563805	0.00000000
## 5	0.20	0.9766764	0.9329609	0.027842227	0.00000000
## 6	0.25	0.9893100	0.9681159	0.012761021	0.00000000
## 7	0.30	0.9912536	0.9737609	0.010440835	0.00000000
## 8	0.35	0.9931973	0.9794721	0.008120650	0.00000000
## 9	0.40	0.9941691	0.9823529	0.006960557	0.00000000
## 10	0.45	0.9883382	0.9638554	0.005800464	0.04191617
## 11	0.50	0.9854227	0.9541284	0.004640371	0.06586826
## 12	0.55	0.9795918	0.9341693	0.003480278	0.10778443
## 13	0.60	0.9786200	0.9294872	0.000000000	0.13173653
## 14	0.65	0.9737609	0.9120521	0.000000000	0.16167665
## 15	0.70	0.9659864	0.8829431	0.000000000	0.20958084
## 16	0.75	0.9582119	0.8522337	0.000000000	0.25748503
## 17	0.80	0.9475219	0.8071429	0.000000000	0.32335329
## 18	0.85	0.9290573	0.7203065	0.000000000	0.43712575
## 19	0.90	0.9203110	0.6746032	0.000000000	0.49101796
## 20	0.95	0.9096210	0.6141079	0.000000000	0.55688623
## 21	1.00	0.8999028	0.5541126	0.000000000	0.61676647

### Obtain Predictions Using Optimal k and Cut-Off On The Test Data

```
knn_test_model <- kknnc(left_company ~ ., train = employee_training,
                        test = employee_test, # Predictions on test data
```

```

k = 6, distance = 2)

# Results data frame on test data
# Since we are adding posterior probabilities, we must use data.frame()
knn_test_results <- data.frame(employee_test,
                                knn_pred_0.5 = knn_test_model$fitted.values,
                                knn_test_model$prob)

# Add predicted response values based on optimal cut-off
knn_test_results <- knn_test_results %>%
  mutate(knn_pred_0.4 = ifelse(Yes >= 0.4, "Yes", "No"))

```

## Confusion Matrix Analysis On The Test Data

Now we assess the accuracy of our final model on the test data using the `cf_matrix()` function and the optimal probability cut-off value we discovered during the training process.

We obtain an F1 score of 0.86, a false negative rate of 16%, and a false positive rate of 2% on the test data. These are the results you should use to compare KNN to the other two methods which you fit to the training data.

```

# Detailed confusion matrix results
cf_matrix(actual_vec = knn_test_results$left_company,
          pred_prob_vec = knn_test_results$Yes,
          positive_val = "Yes", cut_prob = 0.4)

## $confusion_matrix
##      metric observations      rate pct_total_obs
## 1      Correct          421 0.95464853    0.95464853
## 2 Misclassified          20 0.04535147    0.04535147
## 3   True Positive          59 0.84285714    0.13378685
## 4   True Negative        362 0.97574124    0.82086168
## 5 False Negative         11 0.15714286    0.02494331
## 6 False Positive          9 0.02425876    0.02040816
##
## $F1_summary
##      metric      value
## 1 Precision 0.8676471
## 2   Recall 0.8428571
## 3   F1 Score 0.8550725

```

## Enter Your Method #2 Here: Logistic Regression

```

logistic_fit <- glm(left_company ~ .,
                   data = employee_training, family = "binomial")

## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred

logistic_results_training <- data.frame(employee_training,
                                         logistic_prob = predict(logistic_fit,
                                                                  newdata = employee_training,
                                                                  type = "response"))

contrasts(employee_data$left_company)

##      Yes
## No      0

```

```
## Yes 1
```

```
employee_data <- employee_data %>% mutate(left_company = recode_factor(left_company,
                                                                    "No" = "No", "Yes" = "Yes"))
```

```
# View results
```

```
logistic_results_training
```

##	left_company	department	job_level	salary	weekly_hours
## 1	No	Product Development	Senior Manager	92140.37	46
## 2	No	IT and Analytics	Director	111383.54	51
## 3	Yes	IT and Analytics	Senior Manager	97912.21	56
## 4	No	IT and Analytics	Senior Manager	92527.86	49
## 5	No	IT and Analytics	Vice President	202676.69	42
## 6	Yes	Sales	Manager	70767.31	55
## 7	No	Marketing	Director	122207.78	47
## 8	No	Research	Director	121072.93	52
## 9	No	Marketing	Vice President	178675.57	49
## 10	No	IT and Analytics	Director	128437.29	54
## 11	No	Sales	Manager	71363.70	45
## 12	Yes	Marketing	Manager	72494.67	62
## 13	No	Marketing	Senior Manager	90552.34	49
## 14	No	Research	Manager	61524.54	46
## 15	Yes	IT and Analytics	Associate	45199.04	58
## 16	No	Sales	Senior Manager	82441.88	42
## 17	No	IT and Analytics	Associate	43802.25	56
## 18	No	Product Development	Senior Manager	84567.91	46
## 19	No	Marketing	Vice President	179902.30	51
## 20	No	IT and Analytics	Manager	70241.34	49
## 21	No	Sales	Senior Manager	90648.95	42
## 22	No	IT and Analytics	Vice President	184909.54	44
## 23	Yes	Sales	Manager	75975.59	56
## 24	No	Sales	Vice President	176370.65	49
## 25	No	IT and Analytics	Manager	76472.41	51
## 26	No	Marketing	Associate	42515.29	47
## 27	Yes	Sales	Senior Manager	94387.82	55
## 28	No	IT and Analytics	Senior Manager	88521.84	47
## 29	No	Finance and Operations	Director	108734.69	55
## 30	No	IT and Analytics	Vice President	181300.33	51
## 31	No	Research	Senior Manager	88345.24	46
## 32	No	Research	Director	134434.69	45
## 33	No	Marketing	Director	119938.15	52
## 34	No	IT and Analytics	Senior Manager	92312.26	48
## 35	Yes	Product Development	Associate	40374.92	59
## 36	No	IT and Analytics	Senior Manager	91802.31	47
## 37	No	Research	Vice President	194426.01	49
## 38	No	Sales	Senior Manager	82608.49	48
## 39	Yes	Marketing	Associate	42495.20	55
## 40	No	Marketing	Senior Manager	91811.46	50
## 41	No	Sales	Senior Manager	87750.01	47
## 42	No	Marketing	Director	123258.39	53
## 43	No	Research	Associate	45352.60	48
## 44	Yes	Product Development	Vice President	195308.78	57
## 45	No	Finance and Operations	Manager	73149.99	43
## 46	No	Research	Vice President	182502.97	45

## 47	No	Marketing	Senior Manager	84532.64	50
## 48	No	Research	Manager	68660.28	53
## 49	No	IT and Analytics	Vice President	177435.37	52
## 50	No	Research	Director	112002.62	51
## 51	No	IT and Analytics	Senior Manager	86620.40	52
## 52	Yes	Finance and Operations	Senior Manager	92451.00	60
## 53	No	Sales	Senior Manager	94914.34	51
## 54	Yes	Sales	Manager	69103.83	61
## 55	No	IT and Analytics	Senior Manager	84196.93	52
## 56	No	Research	Senior Manager	106121.98	55
## 57	No	IT and Analytics	Vice President	173340.77	51
## 58	No	IT and Analytics	Senior Manager	99460.80	42
## 59	No	Research	Senior Manager	90098.31	45
## 60	Yes	Sales	Manager	77295.94	59
## 61	Yes	Finance and Operations	Manager	74466.08	55
## 62	No	Research	Director	128151.48	54
## 63	No	IT and Analytics	Director	118510.73	47
## 64	Yes	Finance and Operations	Manager	68818.84	58
## 65	Yes	Finance and Operations	Manager	76027.07	58
## 66	No	Research	Vice President	159817.38	45
## 67	No	IT and Analytics	Director	123243.17	48
## 68	No	Product Development	Manager	66035.63	46
## 69	No	IT and Analytics	Manager	65308.88	44
## 70	No	Research	Manager	79326.86	50
## 71	Yes	IT and Analytics	Manager	50463.46	64
## 72	Yes	Marketing	Senior Manager	93320.48	57
## 73	No	Finance and Operations	Senior Manager	89247.02	51
## 74	No	Product Development	Senior Manager	86383.94	53
## 75	No	Marketing	Manager	69647.44	52
## 76	No	IT and Analytics	Vice President	168338.06	48
## 77	No	Product Development	Manager	72164.21	51
## 78	No	Sales	Senior Manager	79228.52	53
## 79	No	Sales	Manager	77438.51	46
## 80	No	IT and Analytics	Senior Manager	84240.66	47
## 81	No	Research	Manager	72711.20	51
## 82	No	IT and Analytics	Senior Manager	100966.90	50
## 83	No	Marketing	Senior Manager	95729.96	51
## 84	Yes	IT and Analytics	Manager	63708.85	59
## 85	No	Marketing	Senior Manager	86485.05	46
## 86	No	IT and Analytics	Director	128104.55	48
## 87	No	IT and Analytics	Senior Manager	83270.10	50
## 88	No	IT and Analytics	Senior Manager	90604.56	45
## 89	No	Marketing	Vice President	173760.97	49
## 90	No	Research	Vice President	169965.70	48
## 91	No	Marketing	Senior Manager	95567.72	52
## 92	No	IT and Analytics	Director	122166.15	48
## 93	No	Sales	Senior Manager	98724.73	49
## 94	No	Research	Senior Manager	86590.95	46
## 95	Yes	Sales	Senior Manager	95996.49	60
## 96	No	Marketing	Director	118838.18	51
## 97	Yes	Product Development	Associate	40116.57	58
## 98	No	Product Development	Manager	78311.43	55
## 99	No	IT and Analytics	Vice President	208804.39	51
## 100	No	Research	Director	130265.72	52



## 101	No	Research	Senior Manager	81049.00	51
## 102	No	Finance and Operations	Director	121821.57	49
## 103	No	Research	Manager	69548.43	46
## 104	No	Research	Senior Manager	98344.82	48
## 105	No	IT and Analytics	Manager	66827.42	51
## 106	No	Sales	Senior Manager	79926.72	48
## 107	No	IT and Analytics	Senior Manager	93366.36	51
## 108	No	Research	Director	120493.89	49
## 109	No	Research	Director	120994.87	52
## 110	Yes	Sales	Associate	44875.01	59
## 111	No	Finance and Operations	Senior Manager	90960.60	48
## 112	No	Research	Senior Manager	79892.87	45
## 113	No	Sales	Director	122505.46	50
## 114	Yes	Product Development	Director	122852.49	62
## 115	No	IT and Analytics	Associate	40663.84	49
## 116	No	IT and Analytics	Senior Manager	98100.97	49
## 117	Yes	Sales	Director	119870.63	55
## 118	No	Research	Associate	41883.73	44
## 119	Yes	Research	Manager	65245.90	60
## 120	No	IT and Analytics	Senior Manager	79184.52	43
## 121	No	Sales	Director	115933.68	48
## 122	No	IT and Analytics	Senior Manager	88410.12	48
## 123	Yes	Marketing	Director	108649.20	54
## 124	No	Sales	Director	121194.50	47
## 125	No	Sales	Director	109312.12	48
## 126	No	Marketing	Manager	83971.70	51
## 127	No	Sales	Director	120073.13	46
## 128	No	Research	Manager	67614.64	46
## 129	No	Marketing	Manager	72422.90	48
## 130	Yes	Product Development	Associate	37916.23	57
## 131	No	IT and Analytics	Manager	71584.59	53
## 132	Yes	Sales	Manager	70500.92	60
## 133	No	Sales	Director	115793.55	50
## 134	Yes	Marketing	Manager	64286.25	60
## 135	Yes	Sales	Associate	35885.89	59
## 136	No	IT and Analytics	Senior Manager	91196.16	49
## 137	No	Research	Senior Manager	100371.49	45
## 138	No	IT and Analytics	Vice President	176281.98	50
## 139	No	Sales	Senior Manager	95230.08	46
## 140	No	Marketing	Senior Manager	91533.22	47
## 141	No	IT and Analytics	Senior Manager	90109.27	49
## 142	No	Marketing	Director	124484.74	50
## 143	No	IT and Analytics	Associate	35928.77	43
## 144	No	IT and Analytics	Associate	38358.87	50
## 145	No	Research	Senior Manager	100623.67	52
## 146	Yes	IT and Analytics	Vice President	173040.57	58
## 147	No	IT and Analytics	Director	119486.65	55
## 148	No	Research	Director	118198.12	42
## 149	No	Product Development	Director	122014.25	48
## 150	No	IT and Analytics	Manager	65849.72	46
## 151	Yes	Marketing	Manager	77254.98	60
## 152	No	IT and Analytics	Senior Manager	96703.35	49
## 153	No	Research	Director	122928.36	54
## 154	No	Marketing	Vice President	184073.75	48

## 155	No	Marketing	Manager	69897.79	51
## 156	No	Research	Director	125315.46	49
## 157	No	IT and Analytics	Director	124283.49	52
## 158	No	Research	Vice President	188987.72	50
## 159	No	Research	Director	117476.81	48
## 160	No	Research	Associate	49333.33	49
## 161	No	IT and Analytics	Senior Manager	96677.82	46
## 162	No	Marketing	Senior Manager	89779.10	51
## 163	No	IT and Analytics	Manager	64056.38	52
## 164	No	Research	Vice President	160239.54	46
## 165	No	Sales	Senior Manager	84021.07	41
## 166	No	Sales	Senior Manager	94552.50	49
## 167	No	IT and Analytics	Manager	75936.31	48
## 168	No	IT and Analytics	Manager	67848.69	47
## 169	No	Marketing	Senior Manager	83281.29	47
## 170	No	Product Development	Director	116325.34	51
## 171	Yes	Product Development	Associate	42452.56	62
## 172	No	IT and Analytics	Director	121303.70	49
## 173	No	Sales	Senior Manager	93282.41	41
## 174	No	Marketing	Vice President	183343.86	45
## 175	No	Marketing	Vice President	184829.72	52
## 176	No	Sales	Vice President	183795.28	45
## 177	No	IT and Analytics	Senior Manager	100764.57	50
## 178	No	Finance and Operations	Manager	70951.33	53
## 179	No	Sales	Director	123628.16	45
## 180	No	Research	Senior Manager	82725.60	52
## 181	No	Marketing	Manager	85143.37	45
## 182	No	IT and Analytics	Senior Manager	81751.06	50
## 183	No	Sales	Manager	72983.55	46
## 184	No	IT and Analytics	Senior Manager	93650.54	45
## 185	No	Product Development	Manager	74618.92	45
## 186	No	IT and Analytics	Senior Manager	85407.94	45
## 187	Yes	IT and Analytics	Vice President	163443.87	60
## 188	No	Sales	Associate	36634.73	46
## 189	No	IT and Analytics	Director	120485.78	44
## 190	No	Finance and Operations	Manager	63496.58	44
## 191	No	IT and Analytics	Manager	73565.35	53
## 192	No	Marketing	Senior Manager	86695.57	49
## 193	No	Research	Senior Manager	94329.23	41
## 194	No	IT and Analytics	Vice President	158072.39	50
## 195	No	IT and Analytics	Senior Manager	82929.32	50
## 196	Yes	Product Development	Manager	64828.28	62
## 197	No	Finance and Operations	Senior Manager	90558.47	49
## 198	No	IT and Analytics	Vice President	189595.23	46
## 199	No	Research	Director	120599.87	48
## 200	Yes	Marketing	Manager	72946.47	60
## 201	No	Product Development	Senior Manager	93006.30	49
## 202	No	Research	Senior Manager	79724.83	51
## 203	No	IT and Analytics	Associate	36960.02	51
## 204	Yes	Marketing	Associate	43833.02	58
## 205	No	IT and Analytics	Manager	67105.33	48
## 206	No	IT and Analytics	Senior Manager	92830.73	46
## 207	Yes	IT and Analytics	Manager	75142.17	59
## 208	No	Marketing	Senior Manager	76505.81	49

## 209	No	Research	Manager	70996.23	45
## 210	No	IT and Analytics	Manager	69208.84	45
## 211	Yes	Product Development	Associate	45429.88	56
## 212	No	Product Development	Manager	73372.23	53
## 213	No	Marketing	Director	117876.62	51
## 214	Yes	Finance and Operations	Vice President	205266.90	66
## 215	Yes	Sales	Manager	77632.02	64
## 216	No	IT and Analytics	Senior Manager	89254.67	49
## 217	No	IT and Analytics	Associate	39684.89	46
## 218	Yes	Marketing	Associate	44124.21	58
## 219	No	IT and Analytics	Associate	41649.36	52
## 220	Yes	Sales	Senior Manager	82835.10	61
## 221	No	IT and Analytics	Director	117400.42	50
## 222	No	IT and Analytics	Manager	72010.58	48
## 223	No	IT and Analytics	Associate	39749.66	49
## 224	No	Sales	Associate	41870.18	54
## 225	No	Research	Director	117411.71	50
## 226	No	Research	Associate	36666.80	53
## 227	No	IT and Analytics	Manager	77152.54	49
## 228	Yes	Sales	Manager	69735.19	60
## 229	Yes	Product Development	Senior Manager	88982.71	59
## 230	No	Sales	Manager	63545.37	50
## 231	No	Finance and Operations	Manager	67662.68	48
## 232	No	Marketing	Manager	74386.67	50
## 233	No	Sales	Associate	40569.84	47
## 234	No	Marketing	Manager	70482.68	52
## 235	No	Product Development	Manager	64454.95	44
## 236	No	IT and Analytics	Director	115111.11	46
## 237	No	Product Development	Manager	67455.57	45
## 238	No	Marketing	Manager	59453.53	41
## 239	Yes	Sales	Vice President	192393.97	58
## 240	No	Research	Senior Manager	91261.66	43
## 241	No	Product Development	Associate	44140.30	50
## 242	No	Research	Senior Manager	93953.34	55
## 243	No	IT and Analytics	Senior Manager	98371.28	49
## 244	No	Research	Senior Manager	92255.41	46
## 245	No	IT and Analytics	Associate	42303.84	52
## 246	No	IT and Analytics	Director	118523.14	48
## 247	No	IT and Analytics	Associate	38747.09	54
## 248	Yes	Product Development	Senior Manager	98022.31	58
## 249	Yes	Marketing	Associate	40140.38	56
## 250	No	IT and Analytics	Senior Manager	90542.95	46
## 251	No	Product Development	Director	115151.21	49
## 252	Yes	IT and Analytics	Director	112456.09	55
## 253	No	Research	Vice President	172669.33	44
## 254	No	IT and Analytics	Director	117307.61	47
## 255	No	Sales	Director	122484.25	47
## 256	Yes	Sales	Associate	42069.84	57
## 257	No	IT and Analytics	Vice President	200731.92	47
## 258	No	IT and Analytics	Manager	69775.48	53
## 259	No	IT and Analytics	Director	124630.82	48
## 260	No	Sales	Senior Manager	85085.61	50
## 261	No	Marketing	Senior Manager	88555.65	44
## 262	No	Sales	Associate	42255.87	54

## 263	No	Finance and Operations	Senior Manager	94642.18	50
## 264	No	Product Development	Senior Manager	84914.24	48
## 265	No	IT and Analytics	Director	112406.93	55
## 266	No	Sales	Director	118684.63	51
## 267	No	IT and Analytics	Senior Manager	83984.99	44
## 268	No	Marketing	Senior Manager	89959.16	52
## 269	No	IT and Analytics	Director	113657.74	50
## 270	No	Research	Senior Manager	95333.63	48
## 271	Yes	Sales	Senior Manager	71271.12	57
## 272	No	Research	Vice President	198930.30	48
## 273	Yes	Marketing	Associate	32394.52	59
## 274	No	IT and Analytics	Associate	37087.05	49
## 275	Yes	Marketing	Manager	68543.16	52
## 276	No	Marketing	Senior Manager	78458.67	49
## 277	Yes	Finance and Operations	Manager	73594.60	55
## 278	No	IT and Analytics	Associate	44018.81	51
## 279	No	Sales	Senior Manager	97533.09	46
## 280	No	IT and Analytics	Associate	39617.30	46
## 281	No	Sales	Director	113114.59	48
## 282	No	Sales	Senior Manager	76871.89	46
## 283	Yes	Marketing	Manager	66368.37	58
## 284	No	Finance and Operations	Senior Manager	88991.10	49
## 285	No	Marketing	Director	118217.00	50
## 286	No	Finance and Operations	Senior Manager	87309.81	54
## 287	No	Sales	Director	126669.55	51
## 288	No	Finance and Operations	Director	125861.28	45
## 289	No	IT and Analytics	Senior Manager	109736.77	45
## 290	No	Research	Senior Manager	90051.93	49
## 291	Yes	Research	Senior Manager	88555.42	57
## 292	Yes	Sales	Manager	73148.36	62
## 293	No	Marketing	Senior Manager	100190.37	48
## 294	No	Marketing	Director	123467.33	45
## 295	No	Sales	Vice President	167616.37	48
## 296	No	Sales	Senior Manager	89893.65	46
## 297	No	IT and Analytics	Senior Manager	82237.25	53
## 298	No	IT and Analytics	Vice President	187473.54	49
## 299	No	Research	Senior Manager	83436.31	49
## 300	No	Product Development	Senior Manager	103345.60	52
## 301	No	IT and Analytics	Senior Manager	95081.33	45
## 302	Yes	Product Development	Manager	76106.18	60
## 303	Yes	Finance and Operations	Associate	41312.65	57
## 304	No	IT and Analytics	Manager	62669.33	51
## 305	No	Product Development	Manager	68060.23	48
## 306	Yes	Product Development	Associate	36998.47	58
## 307	No	IT and Analytics	Manager	78328.77	52
## 308	No	Marketing	Senior Manager	79410.41	50
## 309	No	Research	Director	121769.18	53
## 310	No	Research	Vice President	189818.07	46
## 311	No	IT and Analytics	Manager	73543.49	50
## 312	Yes	IT and Analytics	Vice President	169694.94	58
## 313	No	Sales	Associate	41798.68	48
## 314	No	IT and Analytics	Senior Manager	92847.95	48
## 315	No	Sales	Manager	67503.86	48
## 316	Yes	Sales	Manager	66804.38	58

## 317	No	IT and Analytics	Senior Manager	94280.21	48
## 318	Yes	Research	Associate	43394.09	58
## 319	No	IT and Analytics	Associate	41894.97	48
## 320	No	Research	Manager	72789.77	50
## 321	No	IT and Analytics	Senior Manager	91526.35	47
## 322	No	IT and Analytics	Director	117226.84	50
## 323	No	Finance and Operations	Director	110540.69	46
## 324	No	Sales	Senior Manager	89704.26	51
## 325	No	IT and Analytics	Senior Manager	84359.46	55
## 326	Yes	IT and Analytics	Director	126220.18	59
## 327	No	Research	Vice President	185041.57	50
## 328	No	Marketing	Manager	73620.55	50
## 329	Yes	Sales	Associate	42305.50	61
## 330	No	IT and Analytics	Manager	60867.70	47
## 331	No	Sales	Vice President	172647.77	48
## 332	No	IT and Analytics	Senior Manager	84934.65	48
## 333	No	Marketing	Manager	77154.04	45
## 334	Yes	Sales	Associate	41158.10	53
## 335	No	IT and Analytics	Senior Manager	86713.09	46
## 336	Yes	Sales	Manager	72727.72	58
## 337	No	Marketing	Vice President	187709.30	45
## 338	Yes	Marketing	Manager	75254.66	57
## 339	No	IT and Analytics	Senior Manager	85945.94	52
## 340	No	IT and Analytics	Senior Manager	88891.98	46
## 341	No	Research	Manager	64655.38	44
## 342	No	Research	Director	128939.48	49
## 343	No	Product Development	Associate	38231.07	50
## 344	No	IT and Analytics	Associate	29848.56	50
## 345	No	Research	Senior Manager	91785.98	50
## 346	No	Marketing	Manager	67127.80	50
## 347	No	Research	Senior Manager	83503.34	49
## 348	Yes	Marketing	Manager	59397.67	58
## 349	No	Research	Senior Manager	78503.16	47
## 350	No	Research	Vice President	203528.87	49
## 351	No	Sales	Director	119014.17	50
## 352	No	Research	Senior Manager	80137.32	48
## 353	No	IT and Analytics	Senior Manager	88508.55	44
## 354	No	IT and Analytics	Director	117280.67	47
## 355	No	Finance and Operations	Manager	60882.98	45
## 356	Yes	Sales	Director	118948.95	64
## 357	No	IT and Analytics	Senior Manager	79345.00	47
## 358	No	Research	Director	132176.53	47
## 359	No	Product Development	Senior Manager	81549.47	44
## 360	No	Marketing	Manager	66995.04	50
## 361	No	Sales	Manager	76349.44	50
## 362	No	Sales	Vice President	188142.21	51
## 363	No	Research	Associate	37432.19	53
## 364	No	Research	Senior Manager	85251.86	46
## 365	No	Sales	Director	122236.25	50
## 366	No	IT and Analytics	Senior Manager	94029.56	46
## 367	Yes	Sales	Manager	67902.28	64
## 368	No	Sales	Director	121005.06	52
## 369	No	Sales	Associate	43891.08	45
## 370	No	Sales	Manager	67188.26	44

## 371	Yes	Product Development	Senior Manager	88990.62	58
## 372	No	Sales	Manager	63295.22	49
## 373	No	IT and Analytics	Senior Manager	85078.98	51
## 374	No	IT and Analytics	Director	124475.99	52
## 375	No	Research	Vice President	177920.83	50
## 376	No	Sales	Manager	62410.25	47
## 377	No	Marketing	Senior Manager	86023.80	47
## 378	No	IT and Analytics	Director	115697.37	44
## 379	No	Research	Vice President	159116.87	47
## 380	No	Sales	Senior Manager	90335.02	52
## 381	No	Finance and Operations	Vice President	201197.87	50
## 382	No	Research	Director	114980.91	46
## 383	No	Sales	Director	121756.08	50
## 384	Yes	Product Development	Associate	47953.88	58
## 385	No	Research	Director	115746.47	43
## 386	No	IT and Analytics	Vice President	189356.98	51
## 387	Yes	IT and Analytics	Manager	74310.06	54
## 388	No	Research	Director	121936.92	46
## 389	No	Product Development	Vice President	174313.19	47
## 390	Yes	Product Development	Associate	39596.16	59
## 391	No	IT and Analytics	Director	130978.67	42
## 392	No	Finance and Operations	Director	111126.42	46
## 393	No	Marketing	Senior Manager	79101.58	46
## 394	No	Research	Associate	43592.78	46
## 395	No	IT and Analytics	Senior Manager	95340.25	49
## 396	No	Research	Manager	62689.96	50
## 397	Yes	Product Development	Associate	42009.72	56
## 398	No	Marketing	Senior Manager	87204.71	46
## 399	Yes	Product Development	Manager	64791.15	53
## 400	Yes	Sales	Manager	67453.21	58
## 401	Yes	Sales	Manager	66114.84	54
## 402	No	Research	Senior Manager	89312.88	51
## 403	No	Product Development	Senior Manager	93634.98	45
## 404	No	Research	Senior Manager	89497.57	48
## 405	No	IT and Analytics	Senior Manager	86836.33	46
## 406	No	Product Development	Director	119427.21	50
## 407	No	Marketing	Director	106660.42	46
## 408	Yes	IT and Analytics	Director	122231.86	51
## 409	No	Finance and Operations	Director	117643.54	54
## 410	No	Sales	Associate	47547.81	53
## 411	No	Marketing	Associate	34741.92	46
## 412	No	Product Development	Senior Manager	73545.08	46
## 413	No	Sales	Manager	76077.47	51
## 414	No	Research	Associate	37848.04	49
## 415	Yes	Product Development	Director	117647.98	54
## 416	No	Marketing	Vice President	203186.08	43
## 417	No	Research	Director	120444.86	47
## 418	Yes	Marketing	Associate	39174.21	59
## 419	No	Product Development	Associate	34865.91	48
## 420	No	Product Development	Director	114457.65	46
## 421	No	Research	Manager	78547.03	49
## 422	No	Research	Manager	70254.43	51
## 423	No	Research	Senior Manager	90020.15	50
## 424	No	IT and Analytics	Senior Manager	88191.30	50

## 425	Yes	IT and Analytics	Manager	70344.20	60
## 426	Yes	Sales	Associate	40239.67	65
## 427	Yes	Product Development	Senior Manager	92964.76	58
## 428	No	Sales	Director	131303.65	49
## 429	No	Sales	Director	120022.82	51
## 430	No	IT and Analytics	Associate	34484.25	48
## 431	Yes	Product Development	Associate	43042.03	59
## 432	Yes	Product Development	Director	114520.86	62
## 433	No	Sales	Director	124476.28	47
## 434	No	IT and Analytics	Senior Manager	86184.85	49
## 435	No	Research	Senior Manager	93105.45	47
## 436	No	Sales	Senior Manager	82523.64	52
## 437	No	Sales	Associate	45015.04	51
## 438	No	IT and Analytics	Senior Manager	78161.40	49
## 439	No	Research	Senior Manager	105089.79	51
## 440	No	Marketing	Manager	64513.39	44
## 441	No	Product Development	Senior Manager	76947.77	44
## 442	No	IT and Analytics	Senior Manager	85369.50	43
## 443	No	Marketing	Director	119933.19	52
## 444	No	Research	Senior Manager	84994.45	52
## 445	Yes	Sales	Senior Manager	85275.50	57
## 446	No	Research	Senior Manager	95146.85	50
## 447	No	IT and Analytics	Director	113697.74	51
## 448	No	Product Development	Vice President	189928.83	55
## 449	No	Marketing	Senior Manager	92666.43	53
## 450	No	Research	Director	111409.14	49
## 451	No	Sales	Manager	50335.65	46
## 452	No	IT and Analytics	Associate	46043.58	54
## 453	No	IT and Analytics	Associate	40833.56	47
## 454	No	Product Development	Senior Manager	77160.85	48
## 455	No	Sales	Associate	41259.92	54
## 456	No	IT and Analytics	Vice President	171085.87	48
## 457	No	Marketing	Vice President	191915.05	45
## 458	No	IT and Analytics	Associate	38033.28	55
## 459	No	Product Development	Director	128658.29	43
## 460	No	IT and Analytics	Director	123535.32	47
## 461	Yes	Marketing	Director	127946.09	59
## 462	No	Research	Senior Manager	97409.68	45
## 463	Yes	Finance and Operations	Senior Manager	92324.56	55
## 464	Yes	Finance and Operations	Associate	43283.63	58
## 465	No	Product Development	Associate	32443.79	48
## 466	No	Marketing	Senior Manager	97943.31	50
## 467	No	Sales	Senior Manager	88017.89	46
## 468	No	IT and Analytics	Senior Manager	90461.13	52
## 469	No	Sales	Vice President	181520.72	42
## 470	No	Research	Senior Manager	91205.32	48
## 471	No	IT and Analytics	Senior Manager	101127.41	47
## 472	Yes	Sales	Associate	42927.09	57
## 473	No	IT and Analytics	Associate	34414.92	51
## 474	No	IT and Analytics	Vice President	182893.81	49
## 475	Yes	Product Development	Manager	61955.93	57
## 476	No	IT and Analytics	Director	115967.99	49
## 477	No	Research	Manager	63745.97	49
## 478	No	Product Development	Senior Manager	81120.32	47

## 479	Yes	Sales	Director	128490.47	62
## 480	No	Product Development	Director	122812.30	50
## 481	No	Marketing	Senior Manager	85606.00	47
## 482	No	Research	Senior Manager	81509.28	46
## 483	No	Marketing	Senior Manager	107724.99	49
## 484	No	IT and Analytics	Vice President	185893.34	42
## 485	No	Product Development	Manager	75146.46	46
## 486	No	Marketing	Senior Manager	93696.78	48
## 487	Yes	Product Development	Associate	44074.56	58
## 488	No	Research	Director	121791.55	49
## 489	No	IT and Analytics	Manager	70834.70	46
## 490	No	Research	Manager	74530.35	47
## 491	No	Finance and Operations	Manager	80531.52	55
## 492	Yes	Sales	Vice President	178503.80	58
## 493	No	Product Development	Director	120152.45	45
## 494	No	Research	Senior Manager	86365.57	45
## 495	No	IT and Analytics	Senior Manager	78351.84	49
## 496	No	Product Development	Manager	76165.97	45
## 497	No	Product Development	Senior Manager	95510.74	48
## 498	No	Research	Manager	71150.95	46
## 499	No	Marketing	Manager	65444.37	47
## 500	No	Research	Senior Manager	89518.68	45
## 501	Yes	Finance and Operations	Associate	42492.22	59
## 502	No	Marketing	Director	110939.94	46
## 503	No	Product Development	Vice President	195345.35	45
## 504	No	Research	Director	122685.67	42
## 505	No	Marketing	Associate	37230.25	51
## 506	No	Research	Director	119616.60	49
## 507	No	Marketing	Senior Manager	80321.90	53
## 508	No	Marketing	Senior Manager	92953.64	47
## 509	Yes	Sales	Manager	67087.98	56
## 510	No	Research	Vice President	170351.90	45
## 511	No	IT and Analytics	Senior Manager	91732.94	49
## 512	No	Sales	Senior Manager	92139.39	45
## 513	No	Sales	Vice President	192416.17	45
## 514	No	IT and Analytics	Vice President	182882.15	48
## 515	No	Product Development	Director	129812.40	48
## 516	No	Sales	Director	124340.85	53
## 517	No	Sales	Associate	41985.50	48
## 518	No	Product Development	Manager	67006.76	48
## 519	No	Research	Manager	72757.54	48
## 520	No	IT and Analytics	Manager	67835.07	51
## 521	No	Marketing	Senior Manager	92108.77	48
## 522	No	IT and Analytics	Director	117213.85	47
## 523	No	Research	Manager	68726.29	52
## 524	No	Research	Senior Manager	88212.77	46
## 525	No	Research	Director	122363.54	53
## 526	Yes	Finance and Operations	Manager	83236.02	58
## 527	No	Product Development	Senior Manager	97362.99	46
## 528	No	Research	Director	125356.66	49
## 529	No	Sales	Senior Manager	97363.88	40
## 530	No	Research	Senior Manager	82635.21	49
## 531	No	IT and Analytics	Director	123392.08	48
## 532	No	Product Development	Vice President	173106.93	49



## 533	No	Product Development	Senior Manager	100317.10	50
## 534	Yes	Product Development	Senior Manager	89844.61	55
## 535	No	Finance and Operations	Senior Manager	89013.34	47
## 536	No	Marketing	Senior Manager	82281.80	53
## 537	No	IT and Analytics	Senior Manager	90698.33	50
## 538	No	Marketing	Senior Manager	94321.74	48
## 539	No	Marketing	Manager	62391.23	51
## 540	No	IT and Analytics	Manager	55826.66	51
## 541	No	Sales	Manager	84337.55	50
## 542	No	Sales	Director	129060.93	50
## 543	No	IT and Analytics	Senior Manager	88096.12	50
## 544	No	Research	Associate	39336.71	49
## 545	No	Research	Senior Manager	94819.37	49
## 546	No	Finance and Operations	Director	129969.48	45
## 547	No	Marketing	Director	120089.17	50
## 548	No	IT and Analytics	Senior Manager	95063.43	48
## 549	No	Marketing	Senior Manager	87437.79	42
## 550	No	Research	Associate	35669.01	46
## 551	No	IT and Analytics	Manager	80085.02	55
## 552	Yes	Marketing	Manager	73137.99	62
## 553	No	IT and Analytics	Manager	73126.89	45
## 554	No	IT and Analytics	Senior Manager	93285.11	51
## 555	No	Product Development	Senior Manager	94089.24	48
## 556	No	Product Development	Director	113377.62	46
## 557	No	IT and Analytics	Associate	45550.18	50
## 558	No	Sales	Director	119981.24	48
## 559	No	Sales	Director	118269.47	48
## 560	No	Product Development	Senior Manager	97894.04	48
## 561	Yes	Marketing	Associate	44423.70	66
## 562	No	IT and Analytics	Manager	72646.39	47
## 563	No	Product Development	Associate	43786.90	48
## 564	No	IT and Analytics	Manager	69148.34	46
## 565	No	Marketing	Director	114919.79	47
## 566	No	Research	Manager	65314.28	48
## 567	No	Marketing	Director	123790.06	45
## 568	Yes	Research	Director	119443.17	62
## 569	No	Sales	Associate	40671.06	42
## 570	No	Sales	Senior Manager	88844.97	51
## 571	No	Marketing	Director	112763.53	49
## 572	No	IT and Analytics	Vice President	164815.53	48
## 573	Yes	Sales	Associate	40356.86	61
## 574	No	Sales	Senior Manager	87385.06	50
## 575	No	IT and Analytics	Director	119922.42	50
## 576	No	Research	Director	120102.29	46
## 577	No	Sales	Senior Manager	93603.98	51
## 578	No	Sales	Director	115909.40	47
## 579	No	Research	Senior Manager	87297.19	46
## 580	No	Sales	Director	116284.69	51
## 581	No	Research	Associate	33276.54	49
## 582	No	Finance and Operations	Director	124516.23	49
## 583	No	Research	Director	119657.44	49
## 584	No	Research	Senior Manager	84913.36	48
## 585	No	Sales	Vice President	197965.06	52
## 586	No	Sales	Vice President	178303.60	48

## 587	No	Marketing	Director	128020.67	47
## 588	No	Sales	Senior Manager	77848.11	51
## 589	Yes	Product Development	Manager	63276.13	64
## 590	No	Sales	Vice President	173969.73	48
## 591	No	Research	Director	123233.15	48
## 592	No	Product Development	Director	104820.34	45
## 593	No	Product Development	Associate	43956.85	48
## 594	No	IT and Analytics	Associate	34200.08	52
## 595	Yes	Finance and Operations	Associate	40553.01	63
## 596	No	Marketing	Director	120478.65	43
## 597	No	Research	Director	116307.65	50
## 598	No	IT and Analytics	Manager	71211.77	51
## 599	No	Marketing	Senior Manager	93094.86	45
## 600	No	IT and Analytics	Director	124089.88	50
## 601	No	Finance and Operations	Vice President	188472.50	54
## 602	No	IT and Analytics	Senior Manager	79702.15	48
## 603	No	Finance and Operations	Senior Manager	103648.31	45
## 604	No	Research	Senior Manager	110367.60	42
## 605	Yes	Sales	Senior Manager	93471.76	61
## 606	Yes	Sales	Associate	38538.66	57
## 607	No	Research	Senior Manager	89414.37	47
## 608	No	Sales	Senior Manager	90660.74	53
## 609	No	Product Development	Director	124537.85	51
## 610	No	IT and Analytics	Director	118325.16	49
## 611	No	Finance and Operations	Manager	77671.45	50
## 612	No	Product Development	Director	124162.06	47
## 613	No	Product Development	Associate	42117.40	42
## 614	No	Research	Senior Manager	92949.69	55
## 615	No	Marketing	Director	105939.19	54
## 616	No	Sales	Senior Manager	67981.14	51
## 617	No	Finance and Operations	Vice President	172340.43	46
## 618	No	IT and Analytics	Manager	71290.62	44
## 619	No	IT and Analytics	Senior Manager	88899.35	45
## 620	No	IT and Analytics	Director	121171.70	45
## 621	No	Research	Senior Manager	92128.40	47
## 622	No	IT and Analytics	Senior Manager	86440.25	47
## 623	No	Marketing	Manager	67349.19	49
## 624	No	Research	Manager	73535.60	49
## 625	No	IT and Analytics	Associate	49069.78	52
## 626	No	Product Development	Vice President	161327.70	51
## 627	Yes	Sales	Vice President	178782.17	58
## 628	No	Research	Senior Manager	90588.47	46
## 629	No	Marketing	Manager	69888.14	47
## 630	No	IT and Analytics	Manager	67752.27	48
## 631	No	Finance and Operations	Associate	42845.59	45
## 632	No	IT and Analytics	Director	124420.72	52
## 633	No	Sales	Associate	37234.55	50
## 634	No	Research	Senior Manager	87487.46	52
## 635	No	Research	Senior Manager	90966.48	48
## 636	No	Research	Senior Manager	84411.52	54
## 637	No	Research	Vice President	184144.56	47
## 638	No	IT and Analytics	Senior Manager	88836.00	49
## 639	No	IT and Analytics	Senior Manager	91745.97	45
## 640	No	Research	Senior Manager	96100.24	41

## 641	No	IT and Analytics	Associate	41283.48	46
## 642	No	Product Development	Vice President	172375.08	43
## 643	No	Marketing	Manager	73879.40	50
## 644	No	Research	Director	122052.34	49
## 645	No	Product Development	Director	122376.31	51
## 646	No	Marketing	Senior Manager	85569.27	47
## 647	No	Research	Manager	69766.07	48
## 648	No	Research	Manager	66944.74	52
## 649	Yes	Sales	Manager	73598.53	56
## 650	No	Research	Manager	67174.18	50
## 651	No	IT and Analytics	Senior Manager	90858.69	46
## 652	No	Marketing	Manager	69638.42	47
## 653	No	Marketing	Senior Manager	104988.64	51
## 654	No	Product Development	Senior Manager	104427.50	52
## 655	No	Sales	Manager	79199.61	51
## 656	No	IT and Analytics	Vice President	177634.31	48
## 657	Yes	Finance and Operations	Director	117529.17	54
## 658	No	IT and Analytics	Associate	36913.31	46
## 659	No	IT and Analytics	Senior Manager	92764.64	51
## 660	No	IT and Analytics	Vice President	166164.98	54
## 661	No	Sales	Manager	70513.32	52
## 662	No	Sales	Senior Manager	83651.37	50
## 663	No	Product Development	Senior Manager	79428.86	51
## 664	No	Sales	Manager	75760.31	44
## 665	No	Research	Senior Manager	81140.23	46
## 666	No	IT and Analytics	Director	118983.20	47
## 667	No	Research	Director	118821.64	45
## 668	No	Research	Associate	38353.51	49
## 669	No	Research	Manager	70104.83	48
## 670	No	Sales	Manager	62310.99	47
## 671	No	Research	Senior Manager	87500.77	51
## 672	No	IT and Analytics	Director	123378.67	42
## 673	No	Research	Manager	70500.48	53
## 674	No	Product Development	Manager	64367.58	49
## 675	No	IT and Analytics	Director	125277.64	51
## 676	Yes	Sales	Associate	37443.11	60
## 677	No	Research	Manager	60286.84	50
## 678	No	IT and Analytics	Director	121628.74	48
## 679	No	Sales	Manager	71863.51	47
## 680	No	IT and Analytics	Associate	42698.81	49
## 681	No	Product Development	Director	121131.98	45
## 682	No	Research	Senior Manager	85061.36	55
## 683	No	IT and Analytics	Senior Manager	78870.25	46
## 684	No	IT and Analytics	Manager	68110.30	49
## 685	No	Research	Manager	72848.04	55
## 686	Yes	Marketing	Manager	70860.08	61
## 687	No	Marketing	Senior Manager	85956.73	48
## 688	No	Marketing	Manager	73959.66	47
## 689	No	Sales	Associate	38184.90	45
## 690	No	Product Development	Senior Manager	93770.25	46
## 691	No	Finance and Operations	Associate	37473.13	51
## 692	No	Research	Associate	37438.70	55
## 693	No	Finance and Operations	Senior Manager	85979.51	47
## 694	Yes	Finance and Operations	Manager	71226.03	60

## 695	No	Marketing	Senior Manager	94391.91	49
## 696	No	Finance and Operations	Senior Manager	96432.61	47
## 697	No	Marketing	Vice President	180127.13	50
## 698	No	IT and Analytics	Senior Manager	81311.92	49
## 699	No	Marketing	Vice President	181043.34	51
## 700	No	Research	Senior Manager	79451.31	48
## 701	No	Marketing	Senior Manager	92033.49	48
## 702	No	Marketing	Senior Manager	96520.41	47
## 703	No	Sales	Senior Manager	81178.04	47
## 704	No	Sales	Senior Manager	89572.24	49
## 705	No	Finance and Operations	Senior Manager	76133.97	50
## 706	No	Marketing	Senior Manager	88722.14	49
## 707	No	IT and Analytics	Director	125173.86	49
## 708	Yes	Sales	Associate	37529.11	60
## 709	No	Marketing	Senior Manager	92961.21	50
## 710	No	Sales	Director	119629.23	45
## 711	No	Sales	Senior Manager	75316.15	46
## 712	No	Research	Manager	69898.74	45
## 713	No	IT and Analytics	Vice President	160605.07	42
## 714	Yes	Marketing	Associate	35987.18	55
## 715	Yes	IT and Analytics	Vice President	167621.78	58
## 716	No	Marketing	Senior Manager	74971.23	47
## 717	No	Research	Director	125890.68	47
## 718	No	Finance and Operations	Director	118239.91	54
## 719	No	Product Development	Senior Manager	102234.92	47
## 720	No	IT and Analytics	Director	116179.46	57
## 721	No	Finance and Operations	Director	112604.41	50
## 722	No	Research	Director	122461.63	47
## 723	No	Sales	Manager	77057.78	49
## 724	Yes	IT and Analytics	Manager	73362.09	60
## 725	No	Sales	Director	122820.53	46
## 726	Yes	Product Development	Senior Manager	82548.84	58
## 727	No	Marketing	Senior Manager	91499.57	46
## 728	No	IT and Analytics	Manager	86804.42	46
## 729	No	Sales	Manager	68412.28	53
## 730	No	Research	Senior Manager	95217.61	50
## 731	No	IT and Analytics	Senior Manager	105034.88	44
## 732	No	Sales	Director	111718.45	53
## 733	No	Marketing	Vice President	195197.70	43
## 734	No	Marketing	Director	128069.76	46
## 735	No	IT and Analytics	Senior Manager	98240.17	55
## 736	No	IT and Analytics	Director	119604.93	49
## 737	No	Marketing	Senior Manager	88196.76	48
## 738	No	Sales	Senior Manager	96701.96	49
## 739	No	Finance and Operations	Senior Manager	96744.91	53
## 740	No	Product Development	Manager	74982.21	44
## 741	No	Marketing	Senior Manager	96752.66	46
## 742	Yes	Finance and Operations	Manager	56461.39	58
## 743	No	Marketing	Senior Manager	82634.05	47
## 744	No	IT and Analytics	Senior Manager	84540.68	43
## 745	No	Research	Director	111650.78	43
## 746	No	Product Development	Senior Manager	89692.72	50
## 747	Yes	Product Development	Manager	70122.98	59
## 748	No	Finance and Operations	Associate	37115.29	51

## 749	No	Marketing	Senior Manager	88437.42	46
## 750	Yes	Finance and Operations	Senior Manager	96908.92	64
## 751	No	Sales	Senior Manager	97552.39	47
## 752	No	Research	Director	107741.60	47
## 753	Yes	IT and Analytics	Associate	36940.05	54
## 754	Yes	Sales	Manager	53478.81	55
## 755	No	Research	Director	116260.10	52
## 756	No	IT and Analytics	Senior Manager	89123.41	44
## 757	No	IT and Analytics	Manager	72249.63	47
## 758	No	IT and Analytics	Director	114868.46	49
## 759	No	Sales	Senior Manager	92540.06	47
## 760	No	IT and Analytics	Manager	60593.24	51
## 761	No	Product Development	Manager	69256.52	50
## 762	No	Research	Vice President	177264.29	48
## 763	No	Product Development	Director	125489.96	48
## 764	No	Sales	Director	115112.38	51
## 765	No	Marketing	Senior Manager	95289.48	45
## 766	No	Sales	Senior Manager	71760.60	49
## 767	No	Research	Director	120412.75	50
## 768	No	IT and Analytics	Director	129885.40	48
## 769	No	IT and Analytics	Manager	60613.78	54
## 770	No	Sales	Associate	34217.76	52
## 771	No	IT and Analytics	Senior Manager	87055.50	46
## 772	No	Research	Manager	66936.34	52
## 773	No	IT and Analytics	Manager	63946.42	48
## 774	No	Marketing	Manager	71526.41	45
## 775	Yes	Marketing	Associate	41859.54	54
## 776	No	IT and Analytics	Senior Manager	93849.17	49
## 777	Yes	Sales	Senior Manager	98366.90	57
## 778	No	IT and Analytics	Manager	69989.23	46
## 779	No	Research	Senior Manager	87879.84	48
## 780	Yes	Sales	Manager	64353.98	60
## 781	No	Research	Senior Manager	82753.17	55
## 782	No	IT and Analytics	Manager	60879.54	48
## 783	No	Marketing	Director	108091.22	49
## 784	No	Marketing	Director	123338.97	44
## 785	No	IT and Analytics	Director	117305.99	49
## 786	No	Product Development	Senior Manager	93574.78	44
## 787	No	Product Development	Senior Manager	100881.71	42
## 788	No	Research	Director	123537.76	53
## 789	No	Product Development	Director	121097.14	51
## 790	No	Research	Senior Manager	91283.03	43
## 791	No	Product Development	Senior Manager	86220.64	48
## 792	No	IT and Analytics	Manager	70370.65	50
## 793	No	Finance and Operations	Director	114984.09	50
## 794	No	Marketing	Associate	39240.04	51
## 795	No	Marketing	Manager	62361.25	48
## 796	Yes	Marketing	Manager	63876.58	57
## 797	No	Sales	Senior Manager	103612.78	50
## 798	Yes	IT and Analytics	Associate	45989.35	58
## 799	No	IT and Analytics	Director	112409.37	50
## 800	No	IT and Analytics	Senior Manager	103786.59	52
## 801	No	Research	Director	120130.95	48
## 802	No	IT and Analytics	Manager	70405.96	49

## 803	No	Sales	Manager	76544.48	47
## 804	No	Research	Vice President	196374.74	47
## 805	No	IT and Analytics	Senior Manager	99089.35	49
## 806	No	Research	Manager	70847.96	48
## 807	No	IT and Analytics	Director	113696.34	50
## 808	No	Marketing	Director	126978.10	43
## 809	No	Research	Vice President	193377.07	50
## 810	Yes	IT and Analytics	Manager	71713.83	58
## 811	No	Marketing	Senior Manager	92201.61	44
## 812	No	Sales	Manager	71145.01	44
## 813	No	Research	Vice President	201305.51	44
## 814	No	IT and Analytics	Senior Manager	102657.63	46
## 815	No	Research	Senior Manager	90011.81	50
## 816	Yes	Product Development	Manager	68143.46	60
## 817	No	Marketing	Vice President	167817.86	42
## 818	No	Sales	Manager	61102.25	50
## 819	No	Marketing	Senior Manager	88142.89	56
## 820	Yes	Finance and Operations	Senior Manager	87685.41	58
## 821	No	Research	Director	121156.53	42
## 822	No	IT and Analytics	Manager	78620.99	44
## 823	No	Sales	Associate	32305.94	50
## 824	No	Product Development	Director	123273.13	51
## 825	No	Sales	Director	116043.99	48
## 826	No	IT and Analytics	Director	111506.44	41
## 827	No	Product Development	Associate	35864.83	49
## 828	No	IT and Analytics	Director	120644.59	53
## 829	No	Sales	Senior Manager	94411.17	48
## 830	No	Research	Director	114792.15	45
## 831	No	Sales	Senior Manager	88088.82	47
## 832	No	Finance and Operations	Manager	76615.05	49
## 833	Yes	Finance and Operations	Associate	38511.04	58
## 834	No	Research	Director	124953.22	49
## 835	No	IT and Analytics	Senior Manager	77840.11	45
## 836	Yes	Sales	Manager	69436.93	60
## 837	No	Marketing	Manager	68127.01	49
## 838	No	IT and Analytics	Senior Manager	90048.95	44
## 839	Yes	Finance and Operations	Associate	45208.55	61
## 840	No	Product Development	Manager	76099.08	48
## 841	Yes	Sales	Associate	37359.40	65
## 842	No	Product Development	Vice President	172742.44	49
## 843	No	IT and Analytics	Vice President	152650.79	44
## 844	No	Marketing	Manager	82498.17	53
## 845	No	Finance and Operations	Manager	68482.16	51
## 846	No	IT and Analytics	Senior Manager	101409.67	49
## 847	No	Marketing	Senior Manager	88771.26	47
## 848	No	IT and Analytics	Associate	42154.68	54
## 849	Yes	Product Development	Manager	81185.87	55
## 850	No	Research	Associate	38148.63	48
## 851	No	Finance and Operations	Vice President	184025.27	46
## 852	No	IT and Analytics	Director	114364.21	50
## 853	No	Marketing	Senior Manager	93891.16	50
## 854	No	Product Development	Senior Manager	78755.41	51
## 855	Yes	IT and Analytics	Manager	58778.40	60
## 856	No	IT and Analytics	Senior Manager	83314.38	50

## 857	Yes	Sales	Manager	60059.69	63
## 858	Yes	Marketing	Director	121159.14	59
## 859	No	IT and Analytics	Manager	65176.81	49
## 860	No	Product Development	Senior Manager	87143.75	48
## 861	No	IT and Analytics	Senior Manager	79767.10	54
## 862	No	IT and Analytics	Senior Manager	91566.62	48
## 863	Yes	Sales	Manager	71004.40	55
## 864	Yes	Product Development	Director	114304.55	61
## 865	No	Sales	Director	116509.56	48
## 866	No	Marketing	Director	116782.33	49
## 867	Yes	Research	Associate	41178.98	58
## 868	No	Product Development	Vice President	175144.45	47
## 869	Yes	Finance and Operations	Associate	44663.37	63
## 870	Yes	Sales	Manager	68282.38	56
## 871	No	Sales	Director	118212.71	46
## 872	No	Product Development	Director	108868.57	51
## 873	Yes	Product Development	Associate	43108.37	62
## 874	No	Finance and Operations	Director	124657.65	50
## 875	Yes	IT and Analytics	Manager	67643.46	53
## 876	No	IT and Analytics	Senior Manager	87038.19	53
## 877	Yes	Product Development	Manager	77175.36	53
## 878	Yes	Sales	Manager	74324.68	62
## 879	Yes	IT and Analytics	Manager	66759.02	60
## 880	No	Research	Senior Manager	81375.69	48
## 881	No	Marketing	Director	114721.33	55
## 882	No	IT and Analytics	Director	107177.84	48
## 883	No	IT and Analytics	Director	121519.22	54
## 884	No	IT and Analytics	Senior Manager	76200.15	51
## 885	Yes	Product Development	Manager	80208.77	57
## 886	No	IT and Analytics	Director	120562.20	47
## 887	No	IT and Analytics	Senior Manager	94534.70	45
## 888	Yes	Sales	Manager	60988.75	59
## 889	No	IT and Analytics	Vice President	177485.88	50
## 890	No	Marketing	Senior Manager	86021.97	47
## 891	No	IT and Analytics	Director	122057.33	49
## 892	No	Research	Manager	69385.90	49
## 893	No	Sales	Director	117116.10	50
## 894	No	Sales	Manager	58113.91	44
## 895	No	IT and Analytics	Director	116612.27	49
## 896	No	Product Development	Senior Manager	98202.06	46
## 897	No	Marketing	Manager	76057.24	46
## 898	No	IT and Analytics	Senior Manager	91334.73	50
## 899	No	Finance and Operations	Vice President	191106.19	51
## 900	No	Sales	Vice President	182421.88	51
## 901	No	IT and Analytics	Senior Manager	91606.68	51
## 902	No	Sales	Senior Manager	94908.55	47
## 903	No	Product Development	Senior Manager	84186.90	48
## 904	Yes	Product Development	Manager	66158.83	60
## 905	No	Sales	Associate	35611.61	49
## 906	No	Sales	Director	117368.60	48
## 907	No	IT and Analytics	Senior Manager	88930.11	50
## 908	No	IT and Analytics	Manager	79599.78	52
## 909	No	Research	Manager	71867.69	50
## 910	No	Finance and Operations	Senior Manager	93434.90	48

## 911	No	Research	Associate	45338.29	48
## 912	No	Research	Senior Manager	89164.43	51
## 913	No	IT and Analytics	Associate	47043.43	50
## 914	No	Finance and Operations	Director	123652.73	48
## 915	No	Product Development	Manager	70799.34	54
## 916	No	Research	Manager	68519.26	49
## 917	No	Marketing	Director	126568.89	47
## 918	No	IT and Analytics	Director	124606.34	44
## 919	No	IT and Analytics	Associate	38327.53	47
## 920	No	IT and Analytics	Manager	67413.60	44
## 921	No	IT and Analytics	Senior Manager	91034.84	49
## 922	No	Sales	Senior Manager	98385.23	50
## 923	No	Marketing	Manager	79386.66	47
## 924	No	Product Development	Senior Manager	93904.69	50
## 925	No	IT and Analytics	Senior Manager	88127.58	48
## 926	No	Research	Manager	73193.29	49
## 927	No	Sales	Senior Manager	84408.64	47
## 928	No	IT and Analytics	Senior Manager	85550.44	54
## 929	No	Research	Senior Manager	105000.27	47
## 930	Yes	Sales	Manager	64525.07	59
## 931	No	Research	Vice President	202111.17	53
## 932	No	Finance and Operations	Vice President	212134.70	49
## 933	Yes	Marketing	Associate	35290.63	60
## 934	No	Research	Senior Manager	75834.88	43
## 935	No	IT and Analytics	Senior Manager	87183.95	47
## 936	No	IT and Analytics	Senior Manager	81249.63	48
## 937	No	Research	Vice President	163287.76	50
## 938	Yes	Sales	Associate	42588.93	56
## 939	No	IT and Analytics	Manager	69311.43	48
## 940	No	Research	Manager	70601.52	44
## 941	No	Research	Director	117326.66	47
## 942	No	Finance and Operations	Senior Manager	100409.87	52
## 943	Yes	Marketing	Manager	54574.55	58
## 944	No	IT and Analytics	Director	125869.45	47
## 945	No	Sales	Associate	43149.48	58
## 946	No	Finance and Operations	Senior Manager	93196.17	47
## 947	No	Marketing	Manager	72783.72	47
## 948	No	IT and Analytics	Director	125398.30	44
## 949	No	IT and Analytics	Manager	64323.83	49
## 950	No	Sales	Associate	37837.29	47
## 951	Yes	Product Development	Manager	74262.99	55
## 952	Yes	Sales	Manager	65077.04	60
## 953	Yes	Research	Director	115740.98	57
## 954	No	Sales	Senior Manager	85576.44	42
## 955	No	Sales	Senior Manager	83220.37	47
## 956	No	Finance and Operations	Manager	76006.46	49
## 957	No	Finance and Operations	Manager	64558.45	50
## 958	No	Marketing	Senior Manager	111266.35	44
## 959	No	IT and Analytics	Director	117279.94	48
## 960	No	Sales	Vice President	169930.46	48
## 961	No	Research	Senior Manager	82867.83	49
## 962	No	IT and Analytics	Manager	67667.74	56
## 963	Yes	Sales	Associate	41989.60	53
## 964	No	IT and Analytics	Senior Manager	83418.89	49



## 965	No	Finance and Operations	Director	120360.72	52
## 966	No	Research	Director	115994.80	48
## 967	No	IT and Analytics	Manager	66590.28	53
## 968	No	Marketing	Associate	35551.47	45
## 969	No	Product Development	Director	124458.36	45
## 970	No	IT and Analytics	Senior Manager	100237.00	48
## 971	No	Sales	Senior Manager	93011.74	51
## 972	No	IT and Analytics	Director	126057.05	49
## 973	No	Marketing	Senior Manager	98882.29	50
## 974	Yes	Product Development	Vice President	182174.04	58
## 975	No	Product Development	Associate	44755.60	45
## 976	No	IT and Analytics	Manager	73332.08	48
## 977	No	Research	Manager	73279.77	48
## 978	No	IT and Analytics	Director	114380.96	47
## 979	Yes	Sales	Senior Manager	95474.97	55
## 980	No	Research	Senior Manager	97871.32	43
## 981	No	Marketing	Senior Manager	87570.43	54
## 982	No	Sales	Director	125228.84	48
## 983	No	Research	Senior Manager	84982.22	48
## 984	No	Marketing	Manager	73141.97	49
## 985	No	IT and Analytics	Manager	66569.74	44
## 986	No	IT and Analytics	Director	125440.62	49
## 987	No	Marketing	Senior Manager	101261.86	50
## 988	No	IT and Analytics	Director	131676.48	53
## 989	No	IT and Analytics	Associate	43126.09	46
## 990	No	Research	Vice President	187762.95	46
## 991	No	Research	Associate	33319.22	52
## 992	No	Product Development	Senior Manager	94545.97	53
## 993	Yes	Sales	Associate	41816.97	65
## 994	No	Research	Director	112903.75	44
## 995	No	Product Development	Senior Manager	86920.93	55
## 996	No	Product Development	Manager	63182.68	45
## 997	No	Sales	Senior Manager	85998.85	50
## 998	No	Product Development	Manager	75314.87	44
## 999	No	Marketing	Associate	45208.09	44
## 1000	No	Research	Senior Manager	101440.96	49
## 1001	Yes	Finance and Operations	Senior Manager	83054.80	60
## 1002	No	IT and Analytics	Manager	61870.19	44
## 1003	No	IT and Analytics	Senior Manager	89361.46	50
## 1004	No	IT and Analytics	Manager	59268.99	51
## 1005	No	Research	Senior Manager	80482.28	55
## 1006	No	Research	Director	114905.71	44
## 1007	No	Research	Senior Manager	97504.13	47
## 1008	No	IT and Analytics	Senior Manager	83902.52	46
## 1009	No	Research	Manager	62879.51	48
## 1010	No	Finance and Operations	Manager	72349.26	50
## 1011	No	IT and Analytics	Senior Manager	79319.11	49
## 1012	No	Research	Manager	62995.13	51
## 1013	No	Research	Senior Manager	88283.15	44
## 1014	No	Research	Director	122721.92	45
## 1015	No	IT and Analytics	Manager	68786.79	46
## 1016	No	Finance and Operations	Director	124622.29	47
## 1017	No	Finance and Operations	Senior Manager	89186.37	45
## 1018	No	Sales	Senior Manager	98598.16	45

## 1019	No	IT and Analytics	Senior Manager	93728.49	53
## 1020	Yes	Research	Manager	71421.18	57
## 1021	No	IT and Analytics	Vice President	181631.68	44
## 1022	Yes	Sales	Vice President	195910.44	58
## 1023	No	Sales	Senior Manager	93138.31	46
## 1024	Yes	Marketing	Associate	39303.92	63
## 1025	No	IT and Analytics	Senior Manager	90616.87	50
## 1026	No	Research	Manager	69361.86	43
## 1027	No	Research	Vice President	188960.24	48
## 1028	No	Marketing	Manager	60609.65	47
## 1029	No	Product Development	Manager	80228.56	49
##	business_travel	yrs_at_company	yrs_since_promotion	previous_companies	
## 1	Rarely	1	0	2	
## 2	Rarely	4	1	3	
## 3	Rarely	5	1	3	
## 4	Rarely	18	12	2	
## 5	Rarely	8	7	2	
## 6	Rarely	2	2	4	
## 7	Rarely	8	1	4	
## 8	Rarely	9	1	3	
## 9	Rarely	9	3	3	
## 10	None	5	1	3	
## 11	Rarely	10	0	2	
## 12	Rarely	6	1	6	
## 13	Rarely	22	14	6	
## 14	Rarely	1	0	3	
## 15	Rarely	9	7	3	
## 16	None	1	0	5	
## 17	Rarely	26	1	3	
## 18	Rarely	15	5	3	
## 19	Rarely	5	0	3	
## 20	Frequently	11	4	1	
## 21	Frequently	10	0	2	
## 22	Rarely	7	7	4	
## 23	Rarely	7	7	3	
## 24	Frequently	7	0	1	
## 25	Frequently	9	2	3	
## 26	Frequently	2	2	1	
## 27	Frequently	1	1	1	
## 28	None	7	0	1	
## 29	Rarely	2	2	3	
## 30	Rarely	3	1	3	
## 31	Rarely	5	0	3	
## 32	Frequently	2	2	1	
## 33	Rarely	10	7	3	
## 34	Frequently	15	6	1	
## 35	Frequently	18	11	3	
## 36	Rarely	2	2	3	
## 37	Rarely	22	13	2	
## 38	Rarely	6	1	3	
## 39	Rarely	2	2	6	
## 40	Rarely	5	1	3	
## 41	None	6	0	5	
## 42	Rarely	8	0	1	

## 43	None	9	0	4
## 44	Rarely	1	0	3
## 45	Rarely	5	1	3
## 46	Rarely	5	1	2
## 47	Rarely	7	0	3
## 48	Rarely	4	1	1
## 49	Rarely	6	1	3
## 50	Rarely	3	1	3
## 51	Rarely	7	1	2
## 52	Rarely	1	1	6
## 53	None	2	2	1
## 54	Rarely	10	5	5
## 55	Rarely	25	3	2
## 56	Rarely	33	0	2
## 57	Frequently	6	1	2
## 58	None	2	2	3
## 59	Rarely	2	2	3
## 60	Frequently	7	1	4
## 61	Frequently	7	0	6
## 62	Rarely	13	3	3
## 63	Frequently	9	3	4
## 64	Rarely	2	2	3
## 65	Rarely	3	0	6
## 66	Rarely	1	0	3
## 67	Frequently	7	0	3
## 68	Rarely	1	0	5
## 69	Rarely	5	1	5
## 70	Rarely	8	1	3
## 71	None	4	1	5
## 72	Rarely	2	2	3
## 73	Rarely	20	5	3
## 74	Rarely	1	0	2
## 75	Rarely	9	0	3
## 76	Rarely	8	6	6
## 77	Frequently	3	0	3
## 78	None	9	4	6
## 79	Rarely	22	12	1
## 80	Rarely	7	0	2
## 81	Rarely	26	15	2
## 82	Frequently	5	0	6
## 83	Rarely	11	5	5
## 84	None	5	0	3
## 85	Rarely	7	0	1
## 86	Rarely	1	0	3
## 87	Rarely	1	0	3
## 88	Rarely	10	1	4
## 89	Rarely	4	2	3
## 90	Frequently	2	0	2
## 91	Frequently	6	1	4
## 92	Rarely	10	0	7
## 93	Rarely	4	1	2
## 94	Rarely	12	11	3
## 95	Rarely	5	0	6
## 96	Rarely	10	4	3

## 97	Frequently	1	0	4
## 98	Frequently	9	0	5
## 99	Frequently	10	9	3
## 100	Rarely	18	4	2
## 101	Rarely	0	0	6
## 102	Rarely	5	0	2
## 103	Rarely	5	4	2
## 104	Rarely	5	1	3
## 105	Rarely	5	1	2
## 106	Rarely	20	1	3
## 107	Rarely	20	11	6
## 108	Rarely	7	0	2
## 109	Rarely	1	0	4
## 110	Rarely	2	2	5
## 111	Rarely	1	0	2
## 112	Frequently	5	1	3
## 113	Rarely	3	0	2
## 114	Rarely	2	2	4
## 115	Rarely	3	1	6
## 116	Rarely	6	1	3
## 117	Frequently	5	0	7
## 118	Rarely	6	0	3
## 119	Rarely	2	2	7
## 120	Frequently	3	1	2
## 121	Rarely	8	6	2
## 122	Rarely	5	0	5
## 123	Rarely	4	1	3
## 124	Rarely	1	1	5
## 125	Rarely	20	4	3
## 126	Rarely	1	0	1
## 127	Rarely	5	0	1
## 128	Rarely	16	5	2
## 129	Rarely	26	0	3
## 130	Rarely	5	0	4
## 131	Rarely	2	2	3
## 132	Rarely	4	0	5
## 133	Rarely	0	0	4
## 134	None	0	0	5
## 135	Rarely	5	0	6
## 136	Rarely	17	1	3
## 137	Rarely	3	1	3
## 138	Frequently	4	1	2
## 139	Frequently	6	0	3
## 140	Frequently	6	1	2
## 141	Rarely	2	2	1
## 142	Rarely	7	1	3
## 143	Rarely	5	1	2
## 144	Frequently	5	1	2
## 145	Rarely	5	0	3
## 146	Frequently	0	0	4
## 147	Rarely	5	0	3
## 148	Rarely	1	0	4
## 149	None	3	1	3
## 150	Rarely	4	0	7

## 151	None	10	1	6
## 152	Rarely	5	0	3
## 153	Frequently	24	9	6
## 154	Rarely	8	4	2
## 155	Rarely	4	3	3
## 156	Rarely	10	1	1
## 157	Rarely	3	1	7
## 158	None	7	5	3
## 159	Rarely	4	0	2
## 160	Rarely	9	1	6
## 161	None	0	0	3
## 162	Rarely	3	0	7
## 163	Rarely	9	7	2
## 164	Rarely	0	0	1
## 165	Rarely	9	4	3
## 166	Rarely	20	9	2
## 167	Rarely	9	4	1
## 168	Rarely	5	0	2
## 169	Rarely	8	7	3
## 170	Rarely	1	0	2
## 171	Rarely	3	2	6
## 172	Rarely	5	0	3
## 173	None	7	0	3
## 174	Rarely	5	1	2
## 175	Rarely	22	3	6
## 176	Rarely	5	1	2
## 177	Rarely	6	0	3
## 178	Rarely	17	11	2
## 179	Rarely	1	0	2
## 180	Rarely	10	0	3
## 181	Frequently	10	8	3
## 182	Frequently	3	0	1
## 183	Rarely	37	1	1
## 184	Rarely	3	2	2
## 185	Rarely	7	0	3
## 186	Frequently	30	12	2
## 187	Rarely	5	1	6
## 188	Rarely	2	2	2
## 189	Rarely	3	1	2
## 190	Rarely	0	0	3
## 191	None	9	1	2
## 192	Frequently	2	2	3
## 193	Rarely	13	5	6
## 194	Rarely	1	0	3
## 195	Rarely	16	0	5
## 196	Rarely	1	0	7
## 197	Frequently	15	6	2
## 198	Rarely	5	1	1
## 199	Rarely	22	11	2
## 200	Rarely	3	0	5
## 201	Frequently	5	0	3
## 202	Frequently	8	7	5
## 203	Rarely	1	0	2
## 204	None	5	3	5

## 205	Rarely	3	1	3
## 206	Rarely	14	5	5
## 207	Rarely	2	2	3
## 208	Rarely	5	1	1
## 209	Rarely	5	1	3
## 210	Frequently	2	2	3
## 211	Rarely	7	5	7
## 212	Rarely	2	2	4
## 213	None	5	1	3
## 214	Rarely	1	0	6
## 215	Rarely	4	1	1
## 216	Rarely	2	1	2
## 217	Rarely	12	11	7
## 218	Rarely	2	0	5
## 219	Rarely	1	0	2
## 220	Rarely	9	0	7
## 221	Rarely	2	0	1
## 222	None	13	4	6
## 223	Rarely	7	0	3
## 224	Rarely	8	1	2
## 225	None	6	1	2
## 226	Rarely	4	1	3
## 227	None	8	0	2
## 228	Frequently	1	0	4
## 229	Rarely	31	13	5
## 230	None	5	4	3
## 231	Rarely	13	3	2
## 232	Frequently	1	0	5
## 233	Rarely	4	0	4
## 234	None	33	15	3
## 235	Rarely	5	1	3
## 236	Frequently	4	1	2
## 237	Rarely	2	2	3
## 238	Rarely	5	0	3
## 239	Rarely	1	0	5
## 240	Rarely	1	0	1
## 241	Rarely	3	1	4
## 242	Frequently	9	0	6
## 243	None	6	3	4
## 244	Frequently	3	0	7
## 245	Rarely	5	1	3
## 246	Rarely	5	0	3
## 247	Rarely	8	7	5
## 248	Rarely	1	0	5
## 249	Frequently	7	7	3
## 250	Rarely	3	1	2
## 251	Rarely	7	0	6
## 252	Frequently	0	0	3
## 253	Rarely	19	15	1
## 254	Rarely	10	0	4
## 255	Rarely	15	5	6
## 256	Frequently	5	1	5
## 257	Rarely	6	1	1
## 258	Rarely	8	1	3

## 259	Rarely	2	2	2
## 260	Frequently	10	1	4
## 261	Rarely	1	0	3
## 262	Rarely	7	4	2
## 263	Frequently	9	1	3
## 264	Rarely	1	0	2
## 265	Rarely	10	9	3
## 266	Rarely	4	0	3
## 267	Frequently	6	1	2
## 268	Frequently	10	2	3
## 269	Rarely	2	2	3
## 270	Rarely	3	1	2
## 271	Rarely	10	7	4
## 272	Rarely	10	1	3
## 273	Rarely	2	2	4
## 274	Rarely	8	1	3
## 275	Rarely	5	1	7
## 276	Rarely	18	1	2
## 277	Rarely	1	0	3
## 278	Rarely	3	0	1
## 279	Rarely	3	1	3
## 280	Rarely	1	0	3
## 281	Frequently	6	0	2
## 282	Rarely	7	1	3
## 283	Rarely	9	1	4
## 284	Rarely	9	7	2
## 285	None	9	1	2
## 286	Rarely	14	4	4
## 287	Rarely	8	7	2
## 288	Rarely	9	7	2
## 289	Rarely	3	1	2
## 290	Rarely	6	0	7
## 291	Rarely	3	1	3
## 292	Rarely	8	7	5
## 293	None	21	5	5
## 294	Rarely	8	7	3
## 295	None	8	0	2
## 296	Rarely	6	0	3
## 297	Rarely	3	1	1
## 298	Rarely	2	2	1
## 299	Rarely	4	2	3
## 300	Frequently	2	2	3
## 301	None	3	1	3
## 302	Rarely	1	0	5
## 303	Rarely	4	0	5
## 304	Rarely	1	0	3
## 305	Rarely	2	0	3
## 306	Rarely	2	2	6
## 307	Frequently	2	2	3
## 308	Rarely	9	3	3
## 309	Rarely	7	0	2
## 310	Rarely	10	1	1
## 311	Rarely	5	0	2
## 312	Frequently	2	2	4

## 313	Rarely	1	0	2
## 314	Frequently	4	0	2
## 315	Rarely	4	0	2
## 316	Frequently	0	0	6
## 317	Rarely	5	1	7
## 318	Frequently	3	2	5
## 319	Rarely	3	0	3
## 320	Rarely	10	0	1
## 321	Frequently	20	4	2
## 322	Frequently	8	3	1
## 323	Rarely	10	3	1
## 324	Rarely	2	2	3
## 325	Rarely	3	0	5
## 326	Frequently	5	1	3
## 327	Rarely	5	0	3
## 328	Frequently	32	10	3
## 329	Rarely	7	7	5
## 330	Rarely	21	7	3
## 331	Rarely	5	1	3
## 332	Rarely	10	1	1
## 333	Rarely	6	0	2
## 334	Rarely	1	1	4
## 335	Rarely	1	0	5
## 336	Rarely	8	7	6
## 337	Rarely	20	15	2
## 338	Rarely	4	0	2
## 339	Rarely	5	4	2
## 340	None	3	2	1
## 341	Rarely	5	0	5
## 342	Rarely	0	0	3
## 343	Rarely	1	0	5
## 344	Rarely	10	0	2
## 345	Rarely	5	0	2
## 346	Rarely	3	0	3
## 347	Rarely	14	4	2
## 348	Rarely	8	7	4
## 349	Rarely	22	2	2
## 350	Rarely	6	1	2
## 351	Rarely	3	0	3
## 352	Rarely	5	0	2
## 353	Rarely	10	7	2
## 354	Rarely	6	1	2
## 355	Rarely	1	0	3
## 356	Frequently	3	0	3
## 357	Rarely	9	5	3
## 358	Rarely	3	1	2
## 359	Rarely	9	1	7
## 360	Rarely	6	1	3
## 361	Frequently	8	0	5
## 362	Rarely	4	1	3
## 363	Frequently	9	5	3
## 364	Rarely	5	0	3
## 365	Rarely	3	0	2
## 366	None	11	0	7



## 367	Rarely	2	2	1
## 368	Frequently	7	7	2
## 369	Rarely	1	0	1
## 370	Rarely	0	0	3
## 371	Rarely	3	1	3
## 372	Rarely	7	6	3
## 373	Rarely	15	4	2
## 374	Rarely	7	7	2
## 375	Frequently	9	3	3
## 376	Frequently	18	0	3
## 377	Rarely	13	3	3
## 378	Rarely	1	0	2
## 379	Frequently	8	6	3
## 380	Rarely	21	3	3
## 381	Rarely	1	0	7
## 382	Rarely	8	0	3
## 383	Rarely	10	1	2
## 384	Rarely	8	0	4
## 385	Rarely	1	0	1
## 386	Rarely	5	1	1
## 387	Rarely	1	0	2
## 388	Rarely	5	0	3
## 389	Rarely	0	0	1
## 390	Rarely	1	0	6
## 391	Rarely	5	1	1
## 392	Rarely	7	1	5
## 393	Frequently	13	1	3
## 394	Rarely	1	0	3
## 395	Frequently	9	0	3
## 396	Frequently	8	7	3
## 397	Rarely	3	1	6
## 398	Rarely	2	2	2
## 399	Rarely	14	9	5
## 400	Rarely	9	3	5
## 401	Rarely	10	0	4
## 402	Rarely	7	1	3
## 403	Rarely	10	1	2
## 404	Rarely	20	14	3
## 405	Frequently	7	1	4
## 406	Rarely	3	1	1
## 407	Rarely	5	0	3
## 408	Frequently	2	0	6
## 409	Rarely	7	1	3
## 410	Rarely	10	0	3
## 411	Rarely	5	4	2
## 412	None	8	1	3
## 413	None	10	9	3
## 414	Rarely	2	0	2
## 415	Frequently	2	2	6
## 416	None	5	1	2
## 417	Rarely	0	0	3
## 418	Rarely	2	2	4
## 419	Rarely	11	5	5
## 420	Rarely	14	2	1

## 421	Rarely	7	0	1
## 422	Rarely	1	0	5
## 423	None	1	0	5
## 424	Rarely	3	0	6
## 425	Rarely	1	1	6
## 426	Rarely	10	6	4
## 427	Frequently	4	3	5
## 428	Rarely	5	1	3
## 429	Rarely	4	2	3
## 430	Rarely	3	1	3
## 431	Frequently	1	1	3
## 432	Rarely	2	1	4
## 433	Rarely	17	15	2
## 434	Rarely	13	0	3
## 435	Rarely	5	0	2
## 436	Rarely	1	0	2
## 437	Rarely	2	2	3
## 438	Rarely	4	0	4
## 439	Rarely	2	2	5
## 440	Rarely	7	2	2
## 441	Rarely	6	0	2
## 442	None	16	14	2
## 443	Rarely	2	1	3
## 444	Rarely	4	1	2
## 445	Rarely	2	0	3
## 446	Rarely	11	6	2
## 447	Frequently	9	7	3
## 448	Rarely	10	0	2
## 449	Rarely	2	1	2
## 450	None	4	1	1
## 451	None	3	2	7
## 452	Frequently	5	2	1
## 453	Rarely	6	0	7
## 454	None	9	7	2
## 455	None	5	0	6
## 456	Frequently	21	13	3
## 457	Rarely	5	0	2
## 458	Frequently	18	2	5
## 459	None	5	0	3
## 460	Rarely	1	0	5
## 461	Frequently	1	0	5
## 462	Rarely	10	0	3
## 463	Frequently	6	0	4
## 464	Rarely	3	2	5
## 465	None	9	6	3
## 466	Rarely	20	5	2
## 467	Rarely	2	2	7
## 468	Frequently	9	2	2
## 469	None	20	2	2
## 470	Rarely	7	0	5
## 471	Rarely	1	0	3
## 472	Rarely	10	9	5
## 473	Rarely	1	0	3
## 474	Rarely	3	0	2

## 475	Frequently	6	0	4
## 476	Rarely	11	2	7
## 477	Rarely	3	1	7
## 478	Frequently	5	1	3
## 479	Rarely	1	0	6
## 480	Rarely	14	3	2
## 481	Rarely	4	1	7
## 482	Rarely	6	0	2
## 483	None	5	0	2
## 484	Rarely	5	0	2
## 485	Rarely	2	1	2
## 486	Rarely	10	0	2
## 487	Rarely	3	0	5
## 488	Rarely	6	1	3
## 489	Rarely	3	0	2
## 490	Frequently	21	2	3
## 491	Rarely	3	0	4
## 492	Rarely	2	2	5
## 493	Rarely	6	4	2
## 494	Rarely	17	5	3
## 495	Rarely	2	2	1
## 496	Rarely	7	7	2
## 497	Rarely	1	0	3
## 498	None	5	1	3
## 499	Rarely	7	5	3
## 500	Rarely	4	3	3
## 501	Rarely	7	4	3
## 502	Rarely	5	1	3
## 503	Rarely	10	0	4
## 504	Rarely	5	1	3
## 505	Rarely	2	2	2
## 506	None	3	1	6
## 507	Rarely	4	1	2
## 508	Frequently	5	0	3
## 509	None	1	0	3
## 510	Rarely	10	0	5
## 511	Rarely	24	15	2
## 512	Rarely	8	7	2
## 513	Rarely	15	2	2
## 514	Rarely	11	1	3
## 515	Rarely	4	1	2
## 516	Frequently	6	1	2
## 517	Rarely	5	4	2
## 518	Rarely	1	0	2
## 519	Rarely	5	4	5
## 520	Rarely	10	4	3
## 521	Frequently	14	1	3
## 522	Rarely	14	2	4
## 523	Rarely	2	2	2
## 524	Rarely	8	7	3
## 525	Rarely	1	0	3
## 526	Rarely	4	0	3
## 527	Frequently	3	1	3
## 528	Frequently	0	0	3

## 529	Rarely	3	1	2
## 530	Rarely	5	1	3
## 531	Rarely	12	5	3
## 532	None	4	2	2
## 533	Frequently	15	4	3
## 534	Rarely	5	1	5
## 535	Rarely	10	0	3
## 536	Frequently	7	7	1
## 537	Rarely	6	0	3
## 538	None	2	2	2
## 539	Rarely	14	4	1
## 540	None	9	8	1
## 541	Rarely	3	0	3
## 542	Rarely	10	8	3
## 543	Rarely	0	0	2
## 544	None	1	0	3
## 545	Rarely	19	11	3
## 546	None	3	1	2
## 547	Rarely	5	0	3
## 548	Frequently	9	1	3
## 549	Rarely	0	0	2
## 550	Frequently	1	0	3
## 551	Rarely	15	2	3
## 552	Rarely	10	0	6
## 553	Frequently	10	9	3
## 554	Rarely	3	1	6
## 555	None	0	0	3
## 556	Rarely	10	0	1
## 557	Rarely	2	0	3
## 558	Frequently	13	4	3
## 559	None	1	0	3
## 560	Rarely	8	0	2
## 561	Frequently	4	0	3
## 562	Rarely	0	0	7
## 563	Rarely	26	3	7
## 564	Rarely	9	2	1
## 565	Rarely	5	4	2
## 566	Rarely	4	2	1
## 567	Rarely	5	0	2
## 568	Frequently	10	6	6
## 569	Rarely	1	0	3
## 570	Rarely	14	7	3
## 571	Rarely	7	5	2
## 572	Rarely	4	0	3
## 573	Frequently	1	0	4
## 574	Rarely	8	0	6
## 575	Rarely	6	1	2
## 576	Frequently	9	1	2
## 577	Frequently	4	3	3
## 578	None	9	5	3
## 579	Rarely	3	0	2
## 580	None	3	0	3
## 581	Frequently	5	0	2
## 582	Rarely	9	6	5

## 583	Rarely	5	0	2
## 584	Rarely	6	0	2
## 585	Rarely	9	0	2
## 586	Rarely	2	2	2
## 587	Rarely	10	4	4
## 588	Frequently	6	3	3
## 589	Rarely	6	0	5
## 590	Rarely	1	0	3
## 591	Rarely	3	1	3
## 592	Rarely	7	1	5
## 593	Rarely	19	2	5
## 594	Rarely	20	11	3
## 595	Frequently	8	7	7
## 596	Rarely	1	0	3
## 597	Rarely	7	3	3
## 598	None	0	0	2
## 599	Rarely	9	1	3
## 600	Rarely	5	4	1
## 601	Rarely	9	0	5
## 602	Rarely	3	0	3
## 603	None	10	0	3
## 604	None	1	0	3
## 605	Frequently	8	7	7
## 606	Rarely	3	0	6
## 607	Rarely	7	6	2
## 608	Rarely	31	0	3
## 609	Rarely	7	7	3
## 610	Rarely	0	0	7
## 611	Rarely	20	13	2
## 612	None	3	2	4
## 613	Rarely	9	7	3
## 614	Rarely	4	1	3
## 615	Rarely	1	0	6
## 616	Rarely	1	0	1
## 617	Rarely	5	1	6
## 618	Rarely	1	0	2
## 619	Rarely	4	0	3
## 620	Rarely	11	3	3
## 621	Rarely	7	5	3
## 622	Rarely	19	1	2
## 623	None	1	0	2
## 624	Frequently	2	2	2
## 625	Frequently	13	2	2
## 626	Rarely	1	0	3
## 627	Rarely	15	10	3
## 628	Rarely	6	1	3
## 629	Rarely	0	0	2
## 630	Rarely	27	15	6
## 631	Rarely	4	1	4
## 632	Rarely	10	8	6
## 633	Rarely	4	1	2
## 634	Rarely	9	7	3
## 635	Frequently	6	1	2
## 636	Rarely	20	0	6

## 637	Frequently	8	0	3
## 638	None	1	0	2
## 639	None	10	4	3
## 640	Rarely	16	1	3
## 641	Frequently	7	7	2
## 642	None	3	1	7
## 643	Frequently	7	7	2
## 644	Rarely	6	0	1
## 645	Rarely	10	4	2
## 646	Rarely	20	9	7
## 647	Rarely	5	0	1
## 648	Rarely	5	0	4
## 649	Frequently	1	1	6
## 650	Rarely	3	0	2
## 651	Rarely	16	1	6
## 652	Rarely	11	4	3
## 653	Rarely	6	0	3
## 654	Rarely	2	2	3
## 655	Frequently	13	4	3
## 656	Frequently	24	14	3
## 657	Rarely	3	0	2
## 658	Frequently	6	0	3
## 659	Rarely	8	3	2
## 660	None	5	0	4
## 661	Rarely	21	11	2
## 662	Rarely	5	1	2
## 663	None	13	1	3
## 664	Rarely	7	1	1
## 665	Frequently	11	3	2
## 666	Rarely	3	1	3
## 667	Rarely	22	13	2
## 668	Rarely	11	10	2
## 669	Rarely	1	0	1
## 670	Rarely	10	7	4
## 671	Rarely	5	0	3
## 672	None	3	0	1
## 673	Rarely	29	11	3
## 674	Rarely	8	3	3
## 675	Frequently	21	1	2
## 676	Rarely	1	0	4
## 677	Rarely	10	5	3
## 678	Frequently	2	2	5
## 679	Rarely	14	6	2
## 680	Rarely	4	0	3
## 681	None	5	2	2
## 682	Rarely	2	2	3
## 683	Frequently	8	0	3
## 684	Rarely	1	1	3
## 685	Rarely	5	1	3
## 686	Frequently	1	1	3
## 687	Rarely	2	1	2
## 688	Rarely	17	12	2
## 689	Rarely	6	0	3
## 690	Frequently	10	0	1

## 691	Rarely	10	1	1
## 692	Frequently	1	0	2
## 693	Rarely	2	2	3
## 694	Rarely	1	0	1
## 695	Rarely	2	2	1
## 696	Rarely	11	5	3
## 697	Frequently	5	0	3
## 698	Rarely	10	7	2
## 699	None	1	0	2
## 700	Rarely	7	1	2
## 701	Rarely	7	1	3
## 702	Rarely	5	0	2
## 703	Rarely	10	0	2
## 704	Rarely	12	2	2
## 705	Rarely	4	0	3
## 706	Frequently	4	1	6
## 707	Rarely	13	5	3
## 708	Rarely	40	15	4
## 709	Frequently	1	0	3
## 710	Rarely	4	1	2
## 711	None	23	14	2
## 712	Rarely	3	0	3
## 713	Rarely	4	0	2
## 714	Rarely	7	7	6
## 715	Frequently	3	1	4
## 716	Rarely	5	0	2
## 717	Rarely	10	5	6
## 718	Rarely	16	6	3
## 719	Rarely	6	0	3
## 720	Rarely	5	1	3
## 721	Frequently	4	0	2
## 722	Rarely	4	1	3
## 723	None	3	0	3
## 724	Rarely	33	1	5
## 725	Rarely	5	0	1
## 726	Rarely	1	0	5
## 727	None	6	1	4
## 728	Rarely	7	1	2
## 729	Rarely	10	9	3
## 730	Rarely	11	7	3
## 731	Frequently	6	1	2
## 732	Rarely	1	0	3
## 733	Rarely	10	1	3
## 734	Rarely	12	5	2
## 735	Rarely	5	0	7
## 736	Rarely	5	1	6
## 737	Rarely	7	4	3
## 738	Frequently	14	6	1
## 739	Rarely	13	9	3
## 740	Rarely	5	0	6
## 741	Rarely	5	4	2
## 742	Rarely	5	0	3
## 743	Frequently	10	0	3
## 744	Frequently	5	2	3

## 745	Rarely	2	2	3
## 746	None	11	1	3
## 747	Frequently	2	1	6
## 748	Rarely	3	0	3
## 749	Rarely	2	2	2
## 750	Frequently	21	13	6
## 751	Rarely	1	0	2
## 752	Frequently	2	2	3
## 753	Rarely	17	15	3
## 754	Rarely	1	0	4
## 755	Rarely	5	1	3
## 756	Rarely	22	4	3
## 757	Rarely	5	4	1
## 758	Rarely	5	1	2
## 759	Rarely	10	0	2
## 760	Rarely	1	0	1
## 761	Rarely	8	7	2
## 762	Rarely	10	8	2
## 763	Rarely	0	0	3
## 764	Rarely	7	1	3
## 765	Rarely	4	1	2
## 766	Rarely	3	1	4
## 767	Frequently	29	11	3
## 768	Rarely	34	1	6
## 769	Frequently	2	2	3
## 770	Frequently	3	0	3
## 771	Rarely	1	0	1
## 772	Rarely	3	2	6
## 773	Rarely	5	0	2
## 774	Rarely	11	0	7
## 775	Frequently	4	1	7
## 776	Rarely	10	0	2
## 777	Rarely	1	0	3
## 778	Frequently	10	4	1
## 779	Rarely	2	2	4
## 780	Frequently	0	0	5
## 781	Rarely	2	2	3
## 782	Rarely	3	2	2
## 783	Frequently	4	1	2
## 784	Rarely	15	0	2
## 785	Rarely	36	4	2
## 786	Rarely	9	0	3
## 787	Frequently	3	0	2
## 788	Rarely	4	1	2
## 789	Rarely	21	12	3
## 790	Rarely	8	7	3
## 791	Rarely	8	0	1
## 792	Rarely	10	9	2
## 793	Rarely	8	7	2
## 794	Rarely	36	2	3
## 795	Rarely	2	2	3
## 796	Rarely	4	0	2
## 797	Rarely	4	0	2
## 798	Rarely	5	4	4



## 799	Rarely	10	0	3
## 800	Frequently	0	0	3
## 801	Rarely	8	7	7
## 802	Rarely	1	0	3
## 803	None	10	6	2
## 804	Rarely	8	1	7
## 805	Rarely	5	1	2
## 806	Frequently	9	0	3
## 807	Rarely	5	0	3
## 808	Frequently	4	1	4
## 809	Rarely	4	0	3
## 810	Rarely	4	0	6
## 811	Rarely	4	2	2
## 812	None	6	1	3
## 813	Rarely	9	1	3
## 814	Frequently	5	4	3
## 815	None	4	1	3
## 816	Frequently	13	3	4
## 817	None	33	15	1
## 818	Rarely	5	0	3
## 819	Rarely	19	15	2
## 820	Frequently	1	0	7
## 821	Frequently	5	0	3
## 822	Rarely	2	2	3
## 823	Rarely	9	0	2
## 824	Rarely	22	1	7
## 825	Rarely	16	6	1
## 826	None	1	0	2
## 827	Rarely	3	0	3
## 828	Rarely	5	0	7
## 829	Rarely	1	0	3
## 830	Rarely	1	0	2
## 831	Rarely	4	0	2
## 832	Frequently	5	0	2
## 833	Rarely	1	1	5
## 834	Rarely	1	0	3
## 835	Frequently	22	11	3
## 836	Rarely	5	0	5
## 837	Rarely	1	0	2
## 838	Rarely	4	0	7
## 839	Rarely	1	0	6
## 840	Frequently	19	2	1
## 841	Rarely	1	0	4
## 842	Rarely	4	0	2
## 843	Rarely	2	0	5
## 844	Rarely	7	6	2
## 845	None	8	1	1
## 846	Rarely	12	3	2
## 847	None	0	0	3
## 848	Rarely	4	1	1
## 849	Rarely	0	0	5
## 850	Rarely	12	4	3
## 851	Rarely	8	0	4
## 852	Rarely	14	1	2

## 853	Rarely	4	0	3
## 854	Frequently	6	1	3
## 855	Rarely	1	0	6
## 856	Rarely	8	1	3
## 857	Rarely	0	0	6
## 858	Rarely	9	4	5
## 859	Frequently	12	5	3
## 860	None	11	4	1
## 861	Rarely	3	0	3
## 862	Frequently	8	1	2
## 863	Rarely	1	0	4
## 864	Frequently	0	0	5
## 865	None	5	0	1
## 866	Rarely	1	1	4
## 867	Rarely	4	1	7
## 868	Rarely	2	1	3
## 869	Rarely	0	0	7
## 870	Rarely	1	0	3
## 871	Rarely	9	0	7
## 872	Frequently	4	1	1
## 873	Frequently	2	2	6
## 874	Rarely	9	6	3
## 875	Rarely	1	0	4
## 876	Rarely	5	0	3
## 877	Frequently	10	0	5
## 878	Frequently	1	0	6
## 879	Rarely	3	2	6
## 880	Rarely	7	1	1
## 881	Frequently	3	1	5
## 882	Rarely	5	1	2
## 883	Rarely	9	8	1
## 884	None	0	0	2
## 885	Frequently	1	0	4
## 886	Rarely	2	2	2
## 887	None	14	1	3
## 888	None	1	0	3
## 889	None	4	0	2
## 890	Rarely	2	0	3
## 891	Rarely	5	4	6
## 892	Rarely	25	14	2
## 893	Rarely	8	0	2
## 894	Rarely	2	2	2
## 895	Rarely	2	2	2
## 896	None	5	3	3
## 897	None	3	1	3
## 898	Frequently	4	0	2
## 899	Rarely	10	0	3
## 900	Rarely	1	0	3
## 901	Rarely	15	10	3
## 902	Rarely	9	1	2
## 903	Frequently	8	7	1
## 904	Rarely	1	0	5
## 905	Rarely	10	0	3
## 906	Rarely	2	1	2

## 907	Rarely	7	5	6
## 908	Rarely	5	0	7
## 909	Rarely	9	1	2
## 910	Rarely	2	2	3
## 911	Rarely	5	0	6
## 912	Rarely	2	0	1
## 913	Rarely	8	1	1
## 914	Rarely	3	0	2
## 915	None	4	0	2
## 916	Rarely	7	0	4
## 917	Frequently	10	0	3
## 918	None	9	7	1
## 919	Rarely	9	1	3
## 920	Rarely	7	7	3
## 921	Rarely	9	0	6
## 922	Rarely	5	0	3
## 923	None	11	5	3
## 924	None	4	1	3
## 925	Rarely	2	2	3
## 926	Rarely	1	0	1
## 927	None	5	1	2
## 928	Rarely	5	0	3
## 929	Rarely	5	0	2
## 930	Frequently	6	0	4
## 931	Rarely	1	0	4
## 932	Frequently	6	0	3
## 933	Frequently	2	2	6
## 934	Rarely	1	0	5
## 935	None	8	7	2
## 936	None	19	11	3
## 937	Rarely	11	1	3
## 938	Frequently	1	0	5
## 939	Rarely	1	0	3
## 940	Rarely	18	11	3
## 941	Rarely	8	1	3
## 942	Rarely	5	0	3
## 943	Rarely	20	3	7
## 944	Rarely	10	3	3
## 945	Frequently	9	0	3
## 946	Frequently	4	0	3
## 947	Rarely	10	7	3
## 948	Rarely	3	1	6
## 949	None	14	2	2
## 950	Rarely	15	5	2
## 951	Frequently	1	0	6
## 952	Frequently	1	0	6
## 953	None	1	0	5
## 954	Frequently	10	1	5
## 955	Rarely	8	1	2
## 956	None	15	4	1
## 957	Rarely	21	7	2
## 958	None	1	0	2
## 959	Frequently	2	2	3
## 960	Frequently	5	0	2

## 961	Rarely	5	1	2
## 962	Rarely	3	0	5
## 963	Rarely	7	3	4
## 964	Rarely	1	0	3
## 965	None	5	1	7
## 966	Rarely	0	0	3
## 967	Rarely	4	1	7
## 968	Frequently	2	2	3
## 969	Rarely	20	3	2
## 970	Rarely	24	2	7
## 971	Rarely	10	2	3
## 972	Rarely	1	0	1
## 973	Frequently	4	0	1
## 974	Rarely	7	1	4
## 975	Rarely	6	0	5
## 976	None	3	2	5
## 977	Rarely	11	5	7
## 978	Rarely	22	0	2
## 979	Rarely	5	1	1
## 980	Rarely	11	3	7
## 981	Rarely	2	2	3
## 982	Rarely	10	0	3
## 983	None	13	1	2
## 984	Rarely	1	0	1
## 985	None	12	6	5
## 986	None	3	1	1
## 987	Rarely	6	0	2
## 988	Rarely	3	1	3
## 989	Rarely	20	4	3
## 990	Rarely	5	1	1
## 991	Rarely	21	8	3
## 992	Rarely	4	1	2
## 993	None	2	2	4
## 994	Frequently	3	1	2
## 995	Frequently	4	3	6
## 996	Rarely	20	1	3
## 997	Rarely	25	3	3
## 998	Rarely	2	2	3
## 999	None	1	0	1
## 1000	Rarely	0	0	2
## 1001	Rarely	5	1	6
## 1002	None	4	2	2
## 1003	Rarely	15	5	6
## 1004	Rarely	20	12	2
## 1005	Rarely	16	10	6
## 1006	Rarely	9	8	2
## 1007	None	8	7	7
## 1008	Frequently	22	11	1
## 1009	Rarely	4	1	2
## 1010	Rarely	7	0	2
## 1011	Frequently	1	0	2
## 1012	Rarely	7	0	6
## 1013	Rarely	9	1	1
## 1014	Rarely	27	13	2

## 1015	Rarely	2	2	3
## 1016	Rarely	4	1	3
## 1017	Rarely	6	1	3
## 1018	Rarely	9	7	7
## 1019	Rarely	10	1	2
## 1020	Frequently	2	1	3
## 1021	Rarely	4	0	5
## 1022	Rarely	16	3	5
## 1023	Rarely	1	1	3
## 1024	Rarely	10	1	4
## 1025	Rarely	4	1	2
## 1026	Rarely	12	1	2
## 1027	Rarely	5	0	2
## 1028	Rarely	6	1	2
## 1029	Rarely	13	4	2
##	job_satisfaction	performance_rating	marital_status	miles_from_home
## 1	Low	Exceeds Expectations	Married	7
## 2	High	Meets Expectations	Single	1
## 3	Low	Meets Expectations	Single	9
## 4	Low	Exceeds Expectations	Divorced	14
## 5	High	Meets Expectations	Married	29
## 6	Very High	Meets Expectations	Married	1
## 7	High	Exceeds Expectations	Married	28
## 8	Very High	Meets Expectations	Single	2
## 9	Very High	Meets Expectations	Married	3
## 10	Medium	Exceeds Expectations	Married	1
## 11	High	Exceeds Expectations	Divorced	19
## 12	High	Meets Expectations	Single	1
## 13	Medium	Exceeds Expectations	Divorced	4
## 14	Medium	Meets Expectations	Married	17
## 15	Very High	Not Effective	Single	2
## 16	Medium	Exceeds Expectations	Married	2
## 17	Medium	Meets Expectations	Married	8
## 18	High	Exceeds Expectations	Married	4
## 19	High	Meets Expectations	Married	9
## 20	Very High	Meets Expectations	Married	1
## 21	High	Meets Expectations	Married	25
## 22	Low	Meets Expectations	Single	1
## 23	High	Meets Expectations	Married	15
## 24	High	Exceeds Expectations	Divorced	2
## 25	Very High	Exceptional	Married	11
## 26	Very High	Not Effective	Single	18
## 27	Low	Meets Expectations	Married	9
## 28	Very High	Meets Expectations	Divorced	8
## 29	Medium	Minimally Effective	Married	8
## 30	Medium	Exceeds Expectations	Single	5
## 31	High	Exceeds Expectations	Divorced	8
## 32	Very High	Exceeds Expectations	Divorced	20
## 33	Low	Exceptional	Married	8
## 34	Low	Exceptional	Married	7
## 35	Very High	Meets Expectations	Divorced	2
## 36	High	Exceptional	Married	11
## 37	Low	Exceptional	Married	2
## 38	High	Meets Expectations	Married	9

## 39	High Exceeds Expectations	Single	2
## 40	High Meets Expectations	Married	18
## 41	High Minimally Effective	Married	25
## 42	Very High Meets Expectations	Married	3
## 43	High Meets Expectations	Married	20
## 44	Low Meets Expectations	Married	1
## 45	Low Meets Expectations	Divorced	1
## 46	High Exceptional	Married	18
## 47	Very High Exceptional	Single	2
## 48	Medium Meets Expectations	Single	5
## 49	Very High Exceptional	Single	26
## 50	Low Exceeds Expectations	Married	8
## 51	Low Exceeds Expectations	Divorced	15
## 52	Very High Meets Expectations	Single	2
## 53	Medium Exceeds Expectations	Divorced	9
## 54	Low Exceptional	Married	7
## 55	Very High Exceeds Expectations	Married	2
## 56	Medium Meets Expectations	Divorced	5
## 57	Medium Exceeds Expectations	Married	1
## 58	Very High Exceeds Expectations	Single	8
## 59	Very High Exceptional	Single	6
## 60	High Meets Expectations	Divorced	17
## 61	Low Meets Expectations	Married	9
## 62	High Exceptional	Married	7
## 63	High Exceptional	Single	4
## 64	Low Minimally Effective	Married	6
## 65	Low Meets Expectations	Divorced	6
## 66	High Exceeds Expectations	Single	2
## 67	Very High Meets Expectations	Married	1
## 68	Medium Meets Expectations	Single	9
## 69	Low Meets Expectations	Single	10
## 70	Medium Exceeds Expectations	Married	14
## 71	High Meets Expectations	Married	11
## 72	Very High Minimally Effective	Married	1
## 73	High Exceeds Expectations	Married	2
## 74	High Meets Expectations	Divorced	16
## 75	Very High Exceeds Expectations	Divorced	5
## 76	Very High Meets Expectations	Married	2
## 77	Medium Exceeds Expectations	Married	7
## 78	Medium Exceeds Expectations	Divorced	8
## 79	Medium Meets Expectations	Married	10
## 80	Low Meets Expectations	Single	7
## 81	Low Exceeds Expectations	Married	2
## 82	High Exceptional	Married	28
## 83	Medium Meets Expectations	Married	2
## 84	Very High Minimally Effective	Single	19
## 85	Very High Meets Expectations	Single	7
## 86	Low Meets Expectations	Divorced	2
## 87	Very High Exceptional	Married	21
## 88	Very High Exceptional	Single	21
## 89	Medium Meets Expectations	Divorced	5
## 90	High Exceptional	Married	10
## 91	Very High Meets Expectations	Divorced	1
## 92	Very High Exceptional	Married	16

## 93	Low	Meets Expectations	Divorced	18
## 94	High	Exceptional	Divorced	2
## 95	Low	Exceeds Expectations	Single	9
## 96	High	Meets Expectations	Married	22
## 97	Very High	Minimally Effective	Single	4
## 98	Very High	Exceeds Expectations	Married	25
## 99	Very High	Exceeds Expectations	Single	29
## 100	Very High	Exceeds Expectations	Married	1
## 101	Low	Exceeds Expectations	Married	11
## 102	Very High	Meets Expectations	Divorced	13
## 103	High	Exceeds Expectations	Single	12
## 104	High	Exceptional	Married	9
## 105	High	Minimally Effective	Married	11
## 106	High	Exceeds Expectations	Married	2
## 107	High	Minimally Effective	Single	2
## 108	High	Exceptional	Married	27
## 109	Low	Exceeds Expectations	Single	9
## 110	High	Meets Expectations	Married	20
## 111	Very High	Meets Expectations	Single	6
## 112	High	Meets Expectations	Divorced	1
## 113	Very High	Exceeds Expectations	Married	6
## 114	High	Minimally Effective	Single	13
## 115	Low	Meets Expectations	Single	7
## 116	Very High	Minimally Effective	Married	1
## 117	Medium	Meets Expectations	Single	13
## 118	Medium	Meets Expectations	Divorced	5
## 119	High	Minimally Effective	Married	9
## 120	Low	Meets Expectations	Married	1
## 121	Low	Meets Expectations	Married	3
## 122	Low	Meets Expectations	Married	26
## 123	Low	Meets Expectations	Single	6
## 124	Medium	Meets Expectations	Divorced	10
## 125	High	Exceeds Expectations	Single	14
## 126	Low	Meets Expectations	Divorced	4
## 127	High	Exceeds Expectations	Married	4
## 128	High	Meets Expectations	Divorced	3
## 129	Low	Meets Expectations	Single	1
## 130	Low	Meets Expectations	Single	9
## 131	Medium	Exceeds Expectations	Married	1
## 132	Very High	Minimally Effective	Single	18
## 133	High	Meets Expectations	Married	29
## 134	High	Exceeds Expectations	Single	8
## 135	High	Meets Expectations	Married	22
## 136	Very High	Exceptional	Married	16
## 137	High	Exceeds Expectations	Married	1
## 138	Low	Exceeds Expectations	Divorced	1
## 139	Very High	Meets Expectations	Divorced	3
## 140	High	Meets Expectations	Married	10
## 141	High	Meets Expectations	Married	10
## 142	High	Meets Expectations	Divorced	6
## 143	Very High	Meets Expectations	Married	21
## 144	High	Meets Expectations	Divorced	1
## 145	High	Exceptional	Divorced	8
## 146	Low	Meets Expectations	Single	2

## 147	Medium	Meets Expectations	Single	25
## 148	High	Meets Expectations	Married	9
## 149	High	Exceeds Expectations	Married	4
## 150	Very High	Minimally Effective	Single	5
## 151	Low	Minimally Effective	Single	24
## 152	Very High	Exceptional	Married	5
## 153	Low	Meets Expectations	Divorced	7
## 154	Medium	Exceptional	Single	7
## 155	Very High	Exceeds Expectations	Single	16
## 156	High	Minimally Effective	Married	10
## 157	Medium	Meets Expectations	Divorced	2
## 158	Very High	Exceptional	Single	7
## 159	High	Exceptional	Single	5
## 160	Very High	Exceeds Expectations	Single	26
## 161	Very High	Meets Expectations	Married	3
## 162	High	Exceptional	Married	7
## 163	Medium	Meets Expectations	Married	19
## 164	Very High	Exceeds Expectations	Single	15
## 165	Medium	Exceeds Expectations	Married	8
## 166	High	Meets Expectations	Married	4
## 167	Very High	Exceeds Expectations	Divorced	2
## 168	High	Exceeds Expectations	Single	14
## 169	Very High	Exceeds Expectations	Divorced	27
## 170	Low	Exceeds Expectations	Divorced	7
## 171	Low	Not Effective	Married	9
## 172	High	Meets Expectations	Single	20
## 173	Medium	Exceeds Expectations	Single	5
## 174	Medium	Exceptional	Married	8
## 175	Medium	Meets Expectations	Married	5
## 176	Very High	Meets Expectations	Single	10
## 177	Low	Meets Expectations	Single	2
## 178	Very High	Exceeds Expectations	Single	6
## 179	Low	Meets Expectations	Married	2
## 180	Medium	Exceeds Expectations	Married	25
## 181	High	Exceptional	Married	7
## 182	High	Exceptional	Single	2
## 183	High	Meets Expectations	Single	10
## 184	High	Meets Expectations	Married	6
## 185	Very High	Meets Expectations	Single	9
## 186	High	Exceeds Expectations	Married	20
## 187	Low	Meets Expectations	Married	2
## 188	Medium	Exceeds Expectations	Married	2
## 189	Very High	Exceeds Expectations	Married	29
## 190	Medium	Exceeds Expectations	Married	2
## 191	Low	Exceeds Expectations	Single	5
## 192	Very High	Exceptional	Married	15
## 193	Medium	Exceptional	Married	3
## 194	Medium	Meets Expectations	Married	10
## 195	Medium	Exceptional	Single	5
## 196	Medium	Meets Expectations	Single	8
## 197	Medium	Exceptional	Married	2
## 198	Low	Exceptional	Married	11
## 199	Very High	Exceptional	Married	4
## 200	Low	Exceeds Expectations	Single	16



## 201	Very High	Exceeds Expectations	Divorced	11
## 202	High	Exceptional	Married	10
## 203	Very High	Exceeds Expectations	Single	2
## 204	Low	Meets Expectations	Married	16
## 205	Very High	Meets Expectations	Single	2
## 206	Very High	Exceptional	Married	1
## 207	Medium	Minimally Effective	Single	2
## 208	Very High	Exceptional	Single	12
## 209	Very High	Exceptional	Single	1
## 210	High	Exceeds Expectations	Divorced	3
## 211	Very High	Meets Expectations	Married	4
## 212	Very High	Meets Expectations	Married	1
## 213	Very High	Meets Expectations	Single	10
## 214	Medium	Meets Expectations	Single	12
## 215	Very High	Not Effective	Divorced	10
## 216	Medium	Meets Expectations	Married	2
## 217	Very High	Minimally Effective	Married	28
## 218	Low	Meets Expectations	Married	3
## 219	Very High	Exceptional	Single	25
## 220	Low	Minimally Effective	Single	1
## 221	Low	Exceeds Expectations	Single	9
## 222	Very High	Exceptional	Married	8
## 223	Medium	Exceeds Expectations	Single	9
## 224	High	Exceptional	Divorced	13
## 225	Low	Minimally Effective	Divorced	5
## 226	Low	Exceeds Expectations	Married	14
## 227	Low	Minimally Effective	Married	8
## 228	High	Exceeds Expectations	Married	17
## 229	Medium	Not Effective	Single	2
## 230	Very High	Meets Expectations	Single	26
## 231	Low	Meets Expectations	Married	7
## 232	Medium	Meets Expectations	Divorced	9
## 233	Low	Meets Expectations	Single	2
## 234	Medium	Meets Expectations	Divorced	8
## 235	Medium	Meets Expectations	Single	6
## 236	Low	Exceeds Expectations	Single	7
## 237	Very High	Meets Expectations	Married	19
## 238	Medium	Exceptional	Divorced	1
## 239	Very High	Meets Expectations	Single	2
## 240	Very High	Meets Expectations	Married	9
## 241	High	Exceeds Expectations	Divorced	2
## 242	Very High	Exceeds Expectations	Single	5
## 243	High	Exceptional	Married	10
## 244	Very High	Meets Expectations	Married	20
## 245	Medium	Exceeds Expectations	Married	17
## 246	Medium	Exceptional	Married	4
## 247	High	Exceptional	Married	2
## 248	Very High	Minimally Effective	Married	5
## 249	High	Meets Expectations	Single	3
## 250	High	Exceeds Expectations	Single	22
## 251	Very High	Exceptional	Divorced	1
## 252	High	Meets Expectations	Single	1
## 253	Medium	Exceeds Expectations	Divorced	13
## 254	Medium	Exceptional	Married	1

## 255	Low	Minimally Effective	Married	20
## 256	Medium	Meets Expectations	Single	29
## 257	Very High	Exceptional	Married	23
## 258	Low	Exceeds Expectations	Married	21
## 259	Medium	Exceeds Expectations	Married	16
## 260	High	Exceptional	Married	2
## 261	Low	Meets Expectations	Married	3
## 262	High	Exceptional	Married	6
## 263	High	Meets Expectations	Single	23
## 264	Low	Meets Expectations	Married	5
## 265	Low	Exceptional	Single	15
## 266	Very High	Exceeds Expectations	Married	1
## 267	Medium	Exceeds Expectations	Married	1
## 268	Very High	Exceeds Expectations	Divorced	1
## 269	High	Meets Expectations	Divorced	23
## 270	Very High	Meets Expectations	Single	2
## 271	Very High	Minimally Effective	Single	27
## 272	Low	Meets Expectations	Single	5
## 273	Low	Minimally Effective	Divorced	13
## 274	High	Meets Expectations	Married	1
## 275	Medium	Meets Expectations	Single	25
## 276	High	Exceptional	Married	10
## 277	Very High	Meets Expectations	Married	12
## 278	Medium	Meets Expectations	Single	8
## 279	Medium	Exceptional	Single	7
## 280	High	Meets Expectations	Single	1
## 281	Very High	Exceptional	Single	2
## 282	Very High	Exceptional	Married	7
## 283	Low	Exceeds Expectations	Married	2
## 284	Very High	Minimally Effective	Married	23
## 285	Medium	Not Effective	Divorced	4
## 286	Very High	Exceptional	Single	2
## 287	Medium	Exceptional	Single	3
## 288	Very High	Exceeds Expectations	Married	1
## 289	Medium	Exceeds Expectations	Married	8
## 290	Very High	Exceeds Expectations	Single	7
## 291	Low	Minimally Effective	Divorced	13
## 292	Medium	Exceeds Expectations	Married	8
## 293	High	Exceeds Expectations	Divorced	7
## 294	Very High	Exceptional	Married	7
## 295	High	Meets Expectations	Divorced	9
## 296	Very High	Exceeds Expectations	Divorced	2
## 297	Low	Meets Expectations	Married	28
## 298	Very High	Exceeds Expectations	Married	1
## 299	High	Exceeds Expectations	Single	10
## 300	Low	Meets Expectations	Married	2
## 301	Medium	Exceeds Expectations	Married	4
## 302	High	Not Effective	Single	1
## 303	Very High	Minimally Effective	Divorced	17
## 304	Medium	Minimally Effective	Married	19
## 305	High	Exceptional	Single	23
## 306	Medium	Minimally Effective	Single	25
## 307	Medium	Exceeds Expectations	Married	13
## 308	Very High	Meets Expectations	Married	25

## 309	Low Exceeds Expectations	Married	8
## 310	Very High Exceptional	Married	8
## 311	Medium Meets Expectations	Single	11
## 312	High Meets Expectations	Married	15
## 313	Medium Exceptional	Single	10
## 314	Medium Exceeds Expectations	Divorced	4
## 315	Low Meets Expectations	Married	1
## 316	Very High Meets Expectations	Married	3
## 317	Very High Exceeds Expectations	Married	1
## 318	Medium Exceeds Expectations	Single	1
## 319	Very High Exceptional	Married	5
## 320	High Exceptional	Married	3
## 321	Medium Exceptional	Married	26
## 322	High Exceptional	Married	3
## 323	Very High Exceeds Expectations	Married	1
## 324	High Exceeds Expectations	Single	6
## 325	Medium Exceptional	Divorced	9
## 326	High Exceeds Expectations	Single	27
## 327	Low Exceeds Expectations	Married	1
## 328	Medium Exceeds Expectations	Married	3
## 329	High Exceeds Expectations	Divorced	7
## 330	Very High Exceeds Expectations	Single	6
## 331	High Exceeds Expectations	Single	6
## 332	Low Exceeds Expectations	Divorced	17
## 333	Medium Meets Expectations	Divorced	5
## 334	Low Exceeds Expectations	Single	10
## 335	High Exceptional	Married	2
## 336	Very High Not Effective	Single	4
## 337	High Exceptional	Single	6
## 338	Medium Minimally Effective	Divorced	14
## 339	Medium Exceeds Expectations	Single	11
## 340	Very High Exceeds Expectations	Divorced	1
## 341	High Meets Expectations	Single	18
## 342	Low Meets Expectations	Divorced	2
## 343	Very High Meets Expectations	Divorced	3
## 344	Very High Exceptional	Married	5
## 345	High Meets Expectations	Married	2
## 346	Very High Exceeds Expectations	Divorced	23
## 347	Very High Exceptional	Married	9
## 348	Medium Exceeds Expectations	Single	5
## 349	High Meets Expectations	Married	1
## 350	Very High Exceeds Expectations	Divorced	7
## 351	High Meets Expectations	Single	11
## 352	Medium Exceeds Expectations	Married	9
## 353	Very High Exceeds Expectations	Married	5
## 354	Very High Exceptional	Single	2
## 355	High Exceptional	Married	7
## 356	Low Meets Expectations	Divorced	23
## 357	Very High Meets Expectations	Single	18
## 358	High Exceptional	Divorced	2
## 359	Low Exceeds Expectations	Married	1
## 360	Very High Minimally Effective	Single	1
## 361	High Meets Expectations	Married	8
## 362	Very High Exceptional	Married	1

## 363	Very High	Meets	Expectations	Divorced	4
## 364	Medium	Exceeds	Expectations	Married	13
## 365	Very High	Exceeds	Expectations	Married	8
## 366	Very High	Exceeds	Expectations	Single	18
## 367	Low	Meets	Expectations	Single	24
## 368	Low	Meets	Expectations	Married	15
## 369	Low	Exceeds	Expectations	Divorced	19
## 370	Low	Meets	Expectations	Married	13
## 371	Low	Minimally	Effective	Married	3
## 372	Medium	Exceeds	Expectations	Divorced	2
## 373	High	Exceptional		Single	4
## 374	Very High	Exceeds	Expectations	Married	2
## 375	Very High	Exceeds	Expectations	Single	8
## 376	High	Exceeds	Expectations	Divorced	9
## 377	Medium	Meets	Expectations	Single	5
## 378	Medium	Exceeds	Expectations	Divorced	6
## 379	Medium	Exceeds	Expectations	Married	18
## 380	High	Meets	Expectations	Divorced	2
## 381	High	Exceeds	Expectations	Divorced	1
## 382	High	Exceptional		Married	16
## 383	Medium	Exceeds	Expectations	Married	26
## 384	Medium	Minimally	Effective	Married	10
## 385	Medium	Exceeds	Expectations	Married	6
## 386	Very High	Exceeds	Expectations	Divorced	24
## 387	Medium	Meets	Expectations	Single	21
## 388	Very High	Meets	Expectations	Single	2
## 389	High	Exceeds	Expectations	Single	8
## 390	Medium	Minimally	Effective	Married	17
## 391	High	Meets	Expectations	Divorced	2
## 392	Low	Meets	Expectations	Divorced	2
## 393	Very High	Meets	Expectations	Married	3
## 394	Very High	Exceeds	Expectations	Single	10
## 395	Medium	Exceptional		Married	2
## 396	High	Exceeds	Expectations	Married	6
## 397	High	Minimally	Effective	Single	1
## 398	Very High	Exceeds	Expectations	Divorced	1
## 399	Very High	Meets	Expectations	Married	4
## 400	Medium	Meets	Expectations	Married	21
## 401	Low	Minimally	Effective	Single	10
## 402	Low	Meets	Expectations	Married	17
## 403	Medium	Exceeds	Expectations	Divorced	4
## 404	Low	Exceptional		Married	28
## 405	Medium	Not	Effective	Divorced	10
## 406	Low	Meets	Expectations	Single	1
## 407	Low	Meets	Expectations	Married	4
## 408	Very High	Exceeds	Expectations	Single	9
## 409	Very High	Exceeds	Expectations	Married	29
## 410	Very High	Exceeds	Expectations	Married	3
## 411	High	Meets	Expectations	Single	22
## 412	Medium	Exceeds	Expectations	Married	14
## 413	High	Not	Effective	Divorced	2
## 414	High	Meets	Expectations	Single	10
## 415	High	Minimally	Effective	Single	10
## 416	High	Exceeds	Expectations	Married	1

## 417	Low Exceeds Expectations	Divorced	8
## 418	High Minimally Effective	Single	3
## 419	High Meets Expectations	Single	6
## 420	Medium Exceptional	Married	21
## 421	High Exceptional	Single	1
## 422	High Exceeds Expectations	Married	5
## 423	Low Exceeds Expectations	Divorced	2
## 424	High Meets Expectations	Married	1
## 425	Medium Minimally Effective	Single	7
## 426	High Meets Expectations	Married	22
## 427	High Minimally Effective	Married	18
## 428	High Exceptional	Married	26
## 429	Very High Meets Expectations	Single	2
## 430	High Exceeds Expectations	Married	2
## 431	Very High Meets Expectations	Single	6
## 432	Medium Minimally Effective	Married	25
## 433	High Exceeds Expectations	Divorced	2
## 434	Medium Meets Expectations	Divorced	9
## 435	High Exceeds Expectations	Married	3
## 436	Very High Exceptional	Divorced	6
## 437	Very High Meets Expectations	Married	8
## 438	Very High Exceptional	Married	9
## 439	High Meets Expectations	Married	6
## 440	Medium Meets Expectations	Married	5
## 441	Low Meets Expectations	Married	20
## 442	Medium Meets Expectations	Divorced	2
## 443	Low Not Effective	Married	2
## 444	Low Exceeds Expectations	Single	2
## 445	High Meets Expectations	Single	2
## 446	Medium Minimally Effective	Married	16
## 447	Very High Meets Expectations	Divorced	10
## 448	Low Exceptional	Single	17
## 449	High Meets Expectations	Married	2
## 450	High Exceptional	Married	26
## 451	Very High Exceeds Expectations	Single	9
## 452	High Exceptional	Divorced	10
## 453	Medium Exceeds Expectations	Divorced	27
## 454	Very High Minimally Effective	Married	1
## 455	High Exceeds Expectations	Single	5
## 456	Very High Meets Expectations	Married	7
## 457	Very High Meets Expectations	Married	21
## 458	High Meets Expectations	Single	9
## 459	Medium Exceeds Expectations	Married	9
## 460	Medium Exceeds Expectations	Married	9
## 461	Medium Meets Expectations	Divorced	1
## 462	Very High Not Effective	Divorced	3
## 463	Low Meets Expectations	Single	3
## 464	Low Not Effective	Divorced	28
## 465	Low Exceeds Expectations	Single	2
## 466	High Exceeds Expectations	Single	6
## 467	Low Exceeds Expectations	Single	16
## 468	High Exceeds Expectations	Divorced	7
## 469	High Exceptional	Married	2
## 470	High Exceeds Expectations	Married	13

## 471	High Exceeds Expectations	Married	20
## 472	High Meets Expectations	Married	7
## 473	Low Exceeds Expectations	Married	8
## 474	High Meets Expectations	Married	26
## 475	High Meets Expectations	Divorced	1
## 476	Medium Exceptional	Divorced	4
## 477	Very High Exceeds Expectations	Divorced	19
## 478	High Meets Expectations	Married	10
## 479	Low Minimally Effective	Divorced	2
## 480	Very High Meets Expectations	Married	1
## 481	Very High Exceptional	Single	10
## 482	Very High Meets Expectations	Single	7
## 483	High Exceptional	Divorced	21
## 484	High Exceptional	Single	2
## 485	Medium Meets Expectations	Married	11
## 486	Very High Exceeds Expectations	Single	4
## 487	High Minimally Effective	Married	3
## 488	Very High Exceeds Expectations	Divorced	25
## 489	Very High Exceptional	Married	8
## 490	Low Meets Expectations	Single	22
## 491	Low Meets Expectations	Divorced	7
## 492	Very High Exceeds Expectations	Divorced	15
## 493	Medium Minimally Effective	Single	29
## 494	Very High Meets Expectations	Single	1
## 495	Very High Exceptional	Married	2
## 496	Very High Exceeds Expectations	Single	3
## 497	Medium Meets Expectations	Married	2
## 498	High Meets Expectations	Single	24
## 499	Low Meets Expectations	Single	1
## 500	High Exceeds Expectations	Divorced	17
## 501	Very High Meets Expectations	Divorced	9
## 502	Medium Exceptional	Married	28
## 503	Low Meets Expectations	Married	1
## 504	Medium Exceeds Expectations	Married	1
## 505	Low Exceeds Expectations	Single	2
## 506	High Meets Expectations	Married	21
## 507	Low Meets Expectations	Divorced	13
## 508	High Minimally Effective	Divorced	29
## 509	Low Minimally Effective	Divorced	5
## 510	Very High Exceeds Expectations	Married	7
## 511	Low Meets Expectations	Divorced	1
## 512	High Exceeds Expectations	Married	1
## 513	Low Meets Expectations	Single	1
## 514	Very High Exceeds Expectations	Single	8
## 515	Low Exceptional	Married	5
## 516	Medium Exceeds Expectations	Divorced	1
## 517	High Meets Expectations	Divorced	26
## 518	Very High Meets Expectations	Married	7
## 519	Low Meets Expectations	Divorced	10
## 520	Medium Minimally Effective	Divorced	8
## 521	Very High Exceeds Expectations	Divorced	11
## 522	Very High Exceptional	Single	1
## 523	Very High Meets Expectations	Divorced	19
## 524	High Exceeds Expectations	Divorced	16

## 525	High Exceeds Expectations	Single	4
## 526	Low Minimally Effective	Divorced	2
## 527	Medium Exceeds Expectations	Married	2
## 528	Very High Meets Expectations	Single	10
## 529	Medium Exceeds Expectations	Married	2
## 530	Very High Exceptional	Single	3
## 531	Very High Meets Expectations	Married	29
## 532	Low Exceeds Expectations	Married	11
## 533	Low Exceeds Expectations	Single	2
## 534	Medium Not Effective	Married	2
## 535	High Exceeds Expectations	Divorced	20
## 536	Low Exceptional	Divorced	10
## 537	Very High Exceptional	Single	29
## 538	Very High Meets Expectations	Divorced	8
## 539	High Meets Expectations	Divorced	5
## 540	High Meets Expectations	Single	23
## 541	Medium Meets Expectations	Married	16
## 542	High Minimally Effective	Married	1
## 543	Very High Exceptional	Single	2
## 544	Medium Exceeds Expectations	Divorced	9
## 545	Low Exceptional	Divorced	1
## 546	High Exceeds Expectations	Single	9
## 547	Very High Exceeds Expectations	Married	28
## 548	High Meets Expectations	Single	4
## 549	High Exceptional	Divorced	29
## 550	Very High Meets Expectations	Married	18
## 551	High Exceeds Expectations	Married	6
## 552	Very High Meets Expectations	Married	15
## 553	Low Exceeds Expectations	Married	1
## 554	Very High Exceptional	Single	23
## 555	High Meets Expectations	Single	17
## 556	Medium Exceptional	Single	13
## 557	High Meets Expectations	Married	1
## 558	Low Minimally Effective	Single	1
## 559	Very High Exceeds Expectations	Divorced	16
## 560	High Meets Expectations	Single	2
## 561	Very High Exceeds Expectations	Single	8
## 562	High Exceeds Expectations	Married	20
## 563	Very High Meets Expectations	Married	2
## 564	Medium Exceeds Expectations	Married	8
## 565	High Meets Expectations	Single	8
## 566	High Exceeds Expectations	Married	6
## 567	Low Exceptional	Divorced	27
## 568	Low Meets Expectations	Single	16
## 569	High Exceptional	Married	4
## 570	Very High Meets Expectations	Single	12
## 571	Very High Exceeds Expectations	Divorced	6
## 572	Very High Exceeds Expectations	Married	2
## 573	Low Minimally Effective	Single	24
## 574	High Minimally Effective	Divorced	7
## 575	Low Meets Expectations	Single	27
## 576	Low Exceeds Expectations	Divorced	1
## 577	Medium Meets Expectations	Married	2
## 578	Very High Exceptional	Married	1

## 579	High	Meets Expectations	Married	17
## 580	Very High	Exceptional	Divorced	1
## 581	Medium	Meets Expectations	Married	7
## 582	Very High	Exceeds Expectations	Married	6
## 583	High	Exceeds Expectations	Divorced	10
## 584	Medium	Meets Expectations	Married	4
## 585	Very High	Meets Expectations	Married	1
## 586	High	Exceeds Expectations	Married	6
## 587	Medium	Exceeds Expectations	Married	8
## 588	Very High	Meets Expectations	Divorced	22
## 589	High	Not Effective	Single	5
## 590	Very High	Exceeds Expectations	Divorced	2
## 591	Medium	Exceptional	Single	16
## 592	High	Meets Expectations	Married	10
## 593	Low	Meets Expectations	Divorced	3
## 594	Low	Exceeds Expectations	Single	15
## 595	Very High	Meets Expectations	Single	14
## 596	Medium	Exceeds Expectations	Single	2
## 597	Very High	Meets Expectations	Married	19
## 598	Very High	Minimally Effective	Single	1
## 599	Very High	Exceeds Expectations	Single	1
## 600	Very High	Meets Expectations	Single	2
## 601	Very High	Exceptional	Single	4
## 602	Very High	Meets Expectations	Divorced	20
## 603	Low	Exceeds Expectations	Single	8
## 604	High	Exceptional	Married	3
## 605	Medium	Minimally Effective	Single	4
## 606	High	Minimally Effective	Married	3
## 607	Medium	Meets Expectations	Divorced	22
## 608	High	Meets Expectations	Divorced	18
## 609	High	Exceeds Expectations	Married	27
## 610	High	Exceptional	Single	8
## 611	Very High	Exceeds Expectations	Single	29
## 612	Very High	Exceeds Expectations	Married	26
## 613	High	Meets Expectations	Married	2
## 614	Medium	Meets Expectations	Single	7
## 615	Low	Minimally Effective	Single	1
## 616	Very High	Exceeds Expectations	Single	5
## 617	High	Exceeds Expectations	Married	7
## 618	Medium	Meets Expectations	Single	3
## 619	Very High	Exceeds Expectations	Divorced	7
## 620	Medium	Exceeds Expectations	Single	16
## 621	High	Exceeds Expectations	Divorced	2
## 622	High	Not Effective	Married	17
## 623	Very High	Meets Expectations	Divorced	2
## 624	Very High	Exceptional	Married	20
## 625	Very High	Meets Expectations	Married	1
## 626	Very High	Meets Expectations	Married	1
## 627	Medium	Minimally Effective	Single	24
## 628	Very High	Exceptional	Married	1
## 629	Very High	Meets Expectations	Single	15
## 630	High	Meets Expectations	Married	29
## 631	Very High	Minimally Effective	Single	10
## 632	Very High	Exceptional	Married	19



## 633	Medium	Exceptional	Divorced	22
## 634	Very High	Exceeds Expectations	Married	1
## 635	Medium	Meets Expectations	Single	2
## 636	Low	Exceptional	Married	10
## 637	High	Meets Expectations	Single	2
## 638	Low	Meets Expectations	Divorced	2
## 639	Low	Exceptional	Married	26
## 640	Low	Exceeds Expectations	Divorced	8
## 641	High	Meets Expectations	Single	6
## 642	High	Exceeds Expectations	Married	8
## 643	Low	Exceptional	Married	6
## 644	Low	Exceptional	Married	11
## 645	High	Exceeds Expectations	Married	8
## 646	Very High	Exceeds Expectations	Married	24
## 647	Very High	Exceptional	Divorced	7
## 648	Very High	Exceptional	Married	6
## 649	Very High	Meets Expectations	Single	24
## 650	Very High	Exceptional	Single	2
## 651	Low	Meets Expectations	Married	18
## 652	Very High	Exceeds Expectations	Married	9
## 653	High	Exceeds Expectations	Single	1
## 654	High	Meets Expectations	Single	2
## 655	Very High	Minimally Effective	Divorced	6
## 656	Very High	Meets Expectations	Divorced	8
## 657	High	Minimally Effective	Divorced	1
## 658	Medium	Exceptional	Single	11
## 659	High	Meets Expectations	Single	2
## 660	Medium	Exceeds Expectations	Single	9
## 661	Very High	Meets Expectations	Married	1
## 662	Medium	Meets Expectations	Married	2
## 663	High	Exceptional	Divorced	1
## 664	High	Exceptional	Married	10
## 665	Very High	Meets Expectations	Married	20
## 666	Low	Exceeds Expectations	Married	1
## 667	High	Exceeds Expectations	Divorced	4
## 668	Very High	Meets Expectations	Married	2
## 669	Medium	Exceeds Expectations	Divorced	8
## 670	High	Exceeds Expectations	Married	3
## 671	Low	Meets Expectations	Married	7
## 672	High	Meets Expectations	Married	1
## 673	Low	Exceeds Expectations	Married	7
## 674	Medium	Meets Expectations	Married	2
## 675	High	Meets Expectations	Divorced	1
## 676	High	Meets Expectations	Single	5
## 677	Low	Meets Expectations	Married	24
## 678	Medium	Meets Expectations	Divorced	5
## 679	High	Meets Expectations	Married	4
## 680	Medium	Exceeds Expectations	Married	15
## 681	Very High	Minimally Effective	Divorced	7
## 682	Very High	Meets Expectations	Single	3
## 683	Very High	Meets Expectations	Divorced	9
## 684	Very High	Meets Expectations	Married	1
## 685	Medium	Exceptional	Divorced	2
## 686	Very High	Exceeds Expectations	Single	24

## 687	Very High Exceeds Expectations	Divorced	23
## 688	High Meets Expectations	Single	25
## 689	Very High Exceeds Expectations	Single	2
## 690	Very High Exceeds Expectations	Single	2
## 691	Very High Exceeds Expectations	Married	9
## 692	Low Exceptional	Married	26
## 693	Very High Exceeds Expectations	Married	7
## 694	Medium Meets Expectations	Single	7
## 695	High Exceptional	Single	7
## 696	Low Minimally Effective	Married	2
## 697	Low Meets Expectations	Single	2
## 698	Medium Exceeds Expectations	Divorced	1
## 699	High Meets Expectations	Married	7
## 700	Very High Meets Expectations	Single	24
## 701	Very High Exceptional	Divorced	7
## 702	Very High Exceeds Expectations	Married	7
## 703	High Exceptional	Married	11
## 704	High Exceeds Expectations	Married	1
## 705	High Meets Expectations	Married	19
## 706	High Exceeds Expectations	Single	1
## 707	Low Meets Expectations	Married	6
## 708	Very High Meets Expectations	Married	23
## 709	High Exceeds Expectations	Single	16
## 710	Very High Meets Expectations	Married	10
## 711	High Meets Expectations	Married	1
## 712	Low Exceeds Expectations	Single	17
## 713	High Meets Expectations	Married	19
## 714	High Exceeds Expectations	Married	6
## 715	Medium Meets Expectations	Single	1
## 716	Low Meets Expectations	Divorced	9
## 717	Very High Meets Expectations	Single	21
## 718	Very High Exceeds Expectations	Married	10
## 719	Very High Meets Expectations	Married	11
## 720	Low Exceeds Expectations	Married	1
## 721	Low Exceptional	Married	7
## 722	Very High Exceptional	Single	2
## 723	Medium Exceeds Expectations	Married	1
## 724	Very High Not Effective	Married	2
## 725	Medium Exceeds Expectations	Married	16
## 726	Medium Minimally Effective	Married	11
## 727	Very High Exceptional	Divorced	16
## 728	Very High Meets Expectations	Divorced	28
## 729	Very High Exceeds Expectations	Married	8
## 730	Medium Exceeds Expectations	Divorced	3
## 731	Very High Exceptional	Divorced	2
## 732	Very High Exceptional	Single	23
## 733	High Exceptional	Married	10
## 734	Low Exceptional	Married	10
## 735	High Meets Expectations	Divorced	4
## 736	Very High Exceptional	Divorced	10
## 737	High Exceeds Expectations	Divorced	7
## 738	Low Exceptional	Divorced	15
## 739	Very High Exceeds Expectations	Divorced	8
## 740	Low Exceptional	Divorced	3

## 741	Low	Exceeds Expectations	Divorced	4
## 742	Low	Minimally Effective	Single	9
## 743	Very High	Meets Expectations	Married	1
## 744	Very High	Meets Expectations	Married	1
## 745	Very High	Exceptional	Single	5
## 746	Medium	Meets Expectations	Single	2
## 747	High	Minimally Effective	Divorced	6
## 748	Very High	Meets Expectations	Single	13
## 749	Medium	Exceeds Expectations	Single	6
## 750	Low	Meets Expectations	Single	12
## 751	Very High	Exceptional	Single	3
## 752	Very High	Meets Expectations	Married	4
## 753	Low	Meets Expectations	Single	16
## 754	Low	Meets Expectations	Single	11
## 755	Low	Exceeds Expectations	Divorced	19
## 756	High	Meets Expectations	Married	2
## 757	High	Exceptional	Married	28
## 758	Medium	Minimally Effective	Single	20
## 759	Medium	Exceeds Expectations	Divorced	5
## 760	High	Exceeds Expectations	Married	2
## 761	Medium	Exceptional	Married	2
## 762	Very High	Exceptional	Married	1
## 763	High	Exceeds Expectations	Single	10
## 764	Low	Exceeds Expectations	Single	14
## 765	Low	Exceeds Expectations	Divorced	1
## 766	Very High	Meets Expectations	Divorced	10
## 767	Medium	Meets Expectations	Divorced	9
## 768	Low	Exceptional	Married	3
## 769	Very High	Exceptional	Divorced	1
## 770	Low	Exceptional	Married	6
## 771	High	Exceeds Expectations	Married	1
## 772	Very High	Exceptional	Married	2
## 773	Very High	Exceeds Expectations	Married	2
## 774	Medium	Exceeds Expectations	Married	4
## 775	Very High	Meets Expectations	Divorced	8
## 776	High	Exceptional	Divorced	3
## 777	Medium	Meets Expectations	Married	24
## 778	Very High	Meets Expectations	Married	24
## 779	Very High	Exceptional	Single	21
## 780	Medium	Meets Expectations	Single	5
## 781	Very High	Meets Expectations	Married	2
## 782	Very High	Exceeds Expectations	Single	9
## 783	Low	Exceeds Expectations	Divorced	12
## 784	Very High	Exceeds Expectations	Divorced	1
## 785	Low	Exceptional	Single	1
## 786	Low	Meets Expectations	Married	1
## 787	Medium	Exceptional	Married	2
## 788	High	Exceeds Expectations	Married	8
## 789	Medium	Exceeds Expectations	Single	7
## 790	Medium	Meets Expectations	Married	10
## 791	Medium	Meets Expectations	Married	8
## 792	High	Exceeds Expectations	Married	2
## 793	Low	Meets Expectations	Married	15
## 794	Very High	Exceeds Expectations	Married	26

## 795	High	Exceptional	Married	3
## 796	High	Minimally Effective	Single	24
## 797	Low	Exceptional	Divorced	29
## 798	Medium	Minimally Effective	Married	14
## 799	Medium	Exceeds Expectations	Married	1
## 800	Medium	Exceeds Expectations	Single	25
## 801	High	Meets Expectations	Divorced	8
## 802	Medium	Meets Expectations	Married	2
## 803	High	Minimally Effective	Single	17
## 804	High	Meets Expectations	Single	7
## 805	High	Exceptional	Single	10
## 806	Low	Exceptional	Single	2
## 807	High	Exceptional	Married	5
## 808	Very High	Meets Expectations	Single	2
## 809	Low	Meets Expectations	Divorced	1
## 810	Medium	Minimally Effective	Single	20
## 811	High	Meets Expectations	Married	9
## 812	Low	Exceptional	Married	1
## 813	Low	Exceptional	Married	25
## 814	Very High	Meets Expectations	Married	2
## 815	Very High	Meets Expectations	Married	19
## 816	High	Exceeds Expectations	Single	29
## 817	High	Exceptional	Single	2
## 818	Low	Exceeds Expectations	Divorced	9
## 819	Medium	Exceptional	Married	23
## 820	Very High	Meets Expectations	Divorced	2
## 821	Very High	Exceeds Expectations	Single	5
## 822	Low	Meets Expectations	Married	23
## 823	Medium	Exceeds Expectations	Married	1
## 824	Very High	Meets Expectations	Divorced	7
## 825	High	Exceeds Expectations	Married	6
## 826	Medium	Exceeds Expectations	Married	13
## 827	Low	Exceeds Expectations	Single	2
## 828	Low	Meets Expectations	Married	8
## 829	High	Exceeds Expectations	Single	10
## 830	Very High	Exceptional	Single	29
## 831	Very High	Meets Expectations	Married	7
## 832	Very High	Exceptional	Divorced	5
## 833	High	Not Effective	Single	10
## 834	Medium	Meets Expectations	Single	1
## 835	High	Meets Expectations	Divorced	3
## 836	Low	Minimally Effective	Single	23
## 837	Medium	Meets Expectations	Married	3
## 838	Very High	Exceeds Expectations	Married	1
## 839	Medium	Minimally Effective	Married	19
## 840	High	Meets Expectations	Divorced	16
## 841	High	Meets Expectations	Married	22
## 842	Low	Exceeds Expectations	Married	2
## 843	High	Exceeds Expectations	Divorced	2
## 844	Low	Meets Expectations	Divorced	6
## 845	High	Meets Expectations	Single	9
## 846	Very High	Exceeds Expectations	Single	23
## 847	High	Exceeds Expectations	Single	14
## 848	Very High	Exceptional	Single	1

## 849	High	Meets Expectations	Single	2
## 850	High	Exceptional	Married	3
## 851	High	Exceptional	Divorced	14
## 852	Low	Exceeds Expectations	Divorced	17
## 853	Very High	Meets Expectations	Divorced	26
## 854	Very High	Minimally Effective	Single	2
## 855	High	Minimally Effective	Divorced	21
## 856	High	Exceeds Expectations	Single	18
## 857	Low	Not Effective	Married	6
## 858	Very High	Meets Expectations	Single	9
## 859	Very High	Exceeds Expectations	Single	9
## 860	High	Exceptional	Married	10
## 861	Low	Meets Expectations	Married	16
## 862	Very High	Exceeds Expectations	Single	18
## 863	Medium	Meets Expectations	Single	2
## 864	Low	Meets Expectations	Single	9
## 865	High	Exceeds Expectations	Married	4
## 866	High	Meets Expectations	Married	1
## 867	Very High	Minimally Effective	Single	24
## 868	Medium	Exceeds Expectations	Married	9
## 869	High	Meets Expectations	Single	3
## 870	Very High	Minimally Effective	Single	9
## 871	High	Exceptional	Divorced	10
## 872	Very High	Meets Expectations	Married	9
## 873	High	Not Effective	Divorced	19
## 874	Low	Exceeds Expectations	Married	14
## 875	High	Exceeds Expectations	Married	16
## 876	Medium	Exceeds Expectations	Married	2
## 877	Very High	Meets Expectations	Married	26
## 878	High	Exceeds Expectations	Married	20
## 879	Very High	Minimally Effective	Married	2
## 880	Low	Meets Expectations	Married	6
## 881	High	Meets Expectations	Single	28
## 882	Medium	Exceptional	Married	12
## 883	Very High	Exceeds Expectations	Single	2
## 884	Very High	Exceptional	Married	3
## 885	Low	Meets Expectations	Married	26
## 886	Low	Exceptional	Married	8
## 887	Very High	Exceeds Expectations	Single	10
## 888	Low	Meets Expectations	Single	2
## 889	High	Exceptional	Married	2
## 890	Very High	Exceeds Expectations	Married	10
## 891	Medium	Exceptional	Married	6
## 892	Low	Exceeds Expectations	Divorced	4
## 893	Very High	Exceeds Expectations	Single	1
## 894	High	Meets Expectations	Divorced	9
## 895	High	Meets Expectations	Single	1
## 896	Very High	Exceeds Expectations	Married	4
## 897	High	Meets Expectations	Married	1
## 898	High	Minimally Effective	Divorced	7
## 899	Very High	Meets Expectations	Single	10
## 900	Very High	Exceptional	Married	3
## 901	Very High	Meets Expectations	Married	6
## 902	High	Exceptional	Divorced	14

## 903	Medium	Exceptional	Single	3
## 904	High	Not Effective	Divorced	15
## 905	Very High	Meets Expectations	Married	21
## 906	Very High	Meets Expectations	Divorced	19
## 907	High	Meets Expectations	Married	1
## 908	High	Minimally Effective	Divorced	8
## 909	Medium	Minimally Effective	Divorced	3
## 910	Very High	Exceptional	Single	9
## 911	Very High	Meets Expectations	Married	1
## 912	Very High	Meets Expectations	Married	3
## 913	High	Meets Expectations	Single	10
## 914	Very High	Meets Expectations	Single	25
## 915	High	Meets Expectations	Divorced	16
## 916	Low	Meets Expectations	Single	7
## 917	High	Meets Expectations	Divorced	23
## 918	Medium	Meets Expectations	Divorced	9
## 919	Very High	Exceeds Expectations	Married	11
## 920	Low	Exceptional	Married	26
## 921	Low	Exceeds Expectations	Divorced	1
## 922	Very High	Meets Expectations	Single	10
## 923	High	Meets Expectations	Single	1
## 924	High	Meets Expectations	Divorced	11
## 925	Very High	Minimally Effective	Divorced	2
## 926	Medium	Exceptional	Married	7
## 927	High	Meets Expectations	Single	16
## 928	Very High	Meets Expectations	Divorced	2
## 929	High	Meets Expectations	Married	23
## 930	Low	Meets Expectations	Single	26
## 931	Very High	Exceeds Expectations	Divorced	29
## 932	Very High	Exceptional	Single	3
## 933	Very High	Exceeds Expectations	Married	2
## 934	Medium	Meets Expectations	Married	2
## 935	High	Exceeds Expectations	Single	29
## 936	Medium	Meets Expectations	Single	10
## 937	Very High	Exceptional	Divorced	7
## 938	Medium	Exceeds Expectations	Married	22
## 939	Very High	Exceptional	Single	7
## 940	Low	Meets Expectations	Married	2
## 941	High	Exceptional	Married	27
## 942	Very High	Meets Expectations	Married	2
## 943	Low	Meets Expectations	Married	1
## 944	Very High	Meets Expectations	Divorced	2
## 945	High	Exceptional	Divorced	10
## 946	Low	Exceptional	Married	1
## 947	Low	Exceeds Expectations	Married	9
## 948	High	Exceeds Expectations	Married	5
## 949	High	Minimally Effective	Married	8
## 950	High	Exceeds Expectations	Married	28
## 951	High	Exceeds Expectations	Divorced	24
## 952	High	Meets Expectations	Single	1
## 953	Medium	Meets Expectations	Single	10
## 954	Medium	Exceeds Expectations	Married	8
## 955	Low	Exceptional	Married	8
## 956	High	Meets Expectations	Married	9

## 957	Low	Minimally Effective	Single	25
## 958	High	Meets Expectations	Divorced	3
## 959	Very High	Meets Expectations	Single	12
## 960	Very High	Exceeds Expectations	Married	23
## 961	High	Meets Expectations	Married	3
## 962	Low	Exceeds Expectations	Married	4
## 963	Medium	Exceeds Expectations	Single	1
## 964	Very High	Exceeds Expectations	Single	9
## 965	Very High	Exceeds Expectations	Divorced	15
## 966	Low	Meets Expectations	Single	1
## 967	Medium	Meets Expectations	Divorced	2
## 968	Very High	Meets Expectations	Single	2
## 969	High	Exceeds Expectations	Married	28
## 970	Medium	Exceeds Expectations	Single	14
## 971	Very High	Exceeds Expectations	Married	2
## 972	High	Meets Expectations	Married	2
## 973	High	Exceptional	Single	1
## 974	Very High	Minimally Effective	Divorced	2
## 975	Very High	Meets Expectations	Married	9
## 976	Very High	Exceptional	Married	2
## 977	High	Meets Expectations	Married	7
## 978	Medium	Meets Expectations	Single	2
## 979	High	Meets Expectations	Single	8
## 980	High	Exceptional	Single	2
## 981	High	Exceeds Expectations	Single	2
## 982	Very High	Exceptional	Married	6
## 983	Very High	Exceeds Expectations	Divorced	6
## 984	Very High	Meets Expectations	Single	2
## 985	Low	Meets Expectations	Divorced	9
## 986	Medium	Exceeds Expectations	Married	23
## 987	Low	Meets Expectations	Married	3
## 988	Very High	Meets Expectations	Divorced	5
## 989	Very High	Meets Expectations	Married	20
## 990	Very High	Exceeds Expectations	Married	4
## 991	Medium	Exceeds Expectations	Single	28
## 992	High	Exceptional	Single	20
## 993	Low	Meets Expectations	Single	29
## 994	Low	Exceeds Expectations	Single	10
## 995	Medium	Meets Expectations	Single	2
## 996	High	Meets Expectations	Single	6
## 997	Medium	Exceeds Expectations	Divorced	12
## 998	Medium	Exceeds Expectations	Single	1
## 999	High	Exceeds Expectations	Divorced	1
## 1000	Very High	Exceptional	Divorced	12
## 1001	Medium	Meets Expectations	Single	1
## 1002	Low	Meets Expectations	Divorced	3
## 1003	Medium	Meets Expectations	Married	1
## 1004	Very High	Exceeds Expectations	Single	1
## 1005	High	Meets Expectations	Divorced	25
## 1006	Very High	Exceptional	Married	12
## 1007	Very High	Exceeds Expectations	Married	2
## 1008	Medium	Exceeds Expectations	Married	1
## 1009	Very High	Exceeds Expectations	Married	24
## 1010	High	Minimally Effective	Single	10

## 1011	High Exceeds Expectations	Married	1
## 1012	Very High Meets Expectations	Married	14
## 1013	Very High Exceptional	Divorced	9
## 1014	High Exceeds Expectations	Divorced	7
## 1015	Medium Meets Expectations	Divorced	10
## 1016	Low Exceptional	Married	8
## 1017	Medium Exceptional	Married	7
## 1018	Medium Exceptional	Married	14
## 1019	High Minimally Effective	Divorced	5
## 1020	High Minimally Effective	Single	4
## 1021	Very High Exceeds Expectations	Married	12
## 1022	Very High Exceeds Expectations	Married	3
## 1023	Medium Exceptional	Single	1
## 1024	High Exceeds Expectations	Married	7
## 1025	Medium Exceptional	Married	22
## 1026	High Meets Expectations	Married	24
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## 1023 8.046481e-09
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## 1026 1.378019e-08
## 1027 1.416936e-05
## 1028 1.522398e-04
## 1029 5.409306e-05
```

## Search For the Optimal Probability Cut-Off

Based on the results below, the largest F<sub>1</sub> Score on the training data was 0.954. Therefore, the optimal probability threshold is 0.3. If the priority was to minimize the false negative rate, then a cut-off probability of 0.10 or 0.15 would be the best choice. Again, this always depends on the business objectives of the data science project.

```
cf_matrix(actual_vec = logistic_results_training$left_company,
           pred_prob_vec = logistic_results_training$logistic_prob,
           positive_val = "Yes", search_cut = TRUE)
```

##	cut_prob	correct_rate	F1_score	false_pos_rate	false_neg_rate
## 1	0.00	0.1622935	0.2792642	1.000000000	0.000000000
## 2	0.05	0.9640428	0.8997290	0.041763341	0.005988024
## 3	0.10	0.9757046	0.9291785	0.025522042	0.017964072
## 4	0.15	0.9825073	0.9479769	0.017401392	0.017964072
## 5	0.20	0.9834791	0.9507246	0.016241299	0.017964072
## 6	0.25	0.9825073	0.9476744	0.016241299	0.023952096
## 7	0.30	0.9815355	0.9442815	0.015081206	0.035928144
## 8	0.35	0.9825073	0.9470588	0.013921114	0.035928144
## 9	0.40	0.9834791	0.9498525	0.012761021	0.035928144
## 10	0.45	0.9834791	0.9492537	0.010440835	0.047904192
## 11	0.50	0.9834791	0.9489489	0.009280742	0.053892216
## 12	0.55	0.9844509	0.9515152	0.006960557	0.059880240
## 13	0.60	0.9844509	0.9515152	0.006960557	0.059880240
## 14	0.65	0.9854227	0.9544073	0.005800464	0.059880240
## 15	0.70	0.9844509	0.9512195	0.005800464	0.065868263
## 16	0.75	0.9805637	0.9378882	0.004640371	0.095808383
## 17	0.80	0.9795918	0.9333333	0.001160093	0.119760479
## 18	0.85	0.9786200	0.9299363	0.001160093	0.125748503

```
## 19      0.90      0.9766764 0.9230769      0.001160093      0.137724551
## 20      0.95      0.9679300 0.8903654      0.000000000      0.197604790
## 21      1.00      0.8377065 0.0000000      0.000000000      1.000000000
```

## Apply the Optimal Trained Model to the Test Data

Next we apply our trained model with the optimal probability cut-off to our test data set in order to estimate model accuracy.

```
# Store results of model performance on the test data
logistic_results_test <- data.frame(employee_test,
                                     logistic_prob = predict(logistic_fit,
                                                             newdata = employee_test,
                                                             type = "response"))

# Add predicted default values at optimal cut-off
logistic_results_test <- logistic_results_test %>%
  mutate(logistic_pred_0.65 = ifelse(logistic_prob >= 0.65,
                                     "Yes", "No"))
```

The logistic regression model resulted in an F<sub>1</sub> Score of 0.95 on the test data set, 10% higher the *KNN* model (F<sub>1</sub> Score of 0.85). The False Negative rate is also lower than KNN model (8% compare to 15%)

```
# Full detailed results on the test data set
cf_matrix(actual_vec = logistic_results_test$left_company,
           pred_prob_vec = logistic_results_test$logistic_prob,
           positive_val = "Yes", cut_prob = 0.65)
```

```
## $confusion_matrix
##      metric observations      rate pct_total_obs
## 1      Correct          435 0.98639456      0.98639456
## 2 Misclassified           6 0.01360544      0.01360544
## 3   True Positive         64 0.91428571      0.14512472
## 4   True Negative        371 1.00000000      0.84126984
## 5 False Negative          6 0.08571429      0.01360544
## 6 False Positive          0 0.00000000      0.00000000
##
## $F1_summary
##      metric      value
## 1 Precision 1.0000000
## 2   Recall 0.9142857
## 3   F1 Score 0.9552239
```

## Enter Your Method #3 Here: Linear Discriminant Analysis

```
lda_fit <- lda(left_company ~ .,
               data = employee_training)

# Obtain predictions (returns a list)
lda_pred_training <- predict(lda_fit, newdata = employee_training)

# Store the results of model training
lda_results_training <-
  data.frame(employee_training,
```

```
lda_pred_0.5 = lda_pred_training$class, # predictions at 0.5
lda_pred_training$posterior) # estimated posterior probabilities
```

## Search For the Optimal Probability Cut-Off

Based on the results below, the largest F<sub>1</sub> Score on the training data was 0.934. Therefore, the optimal probability threshold is 0.35.

```
cf_matrix(actual_vec = lda_results_training$left_company,
  pred_prob_vec = lda_results_training$Yes,
  positive_val = "Yes", search_cut = TRUE)
```

##	cut_prob	correct_rate	F1_score	false_pos_rate	false_neg_rate
## 1	0.00	0.1622935	0.2792642	1.000000000	0.000000000
## 2	0.05	0.9562682	0.8800000	0.049883991	0.01197605
## 3	0.10	0.9737609	0.9243697	0.029002320	0.01197605
## 4	0.15	0.9766764	0.9314286	0.023201856	0.02395210
## 5	0.20	0.9757046	0.9271137	0.019721578	0.04790419
## 6	0.25	0.9776482	0.9321534	0.016241299	0.05389222
## 7	0.30	0.9776482	0.9317507	0.015081206	0.05988024
## 8	0.35	0.9786200	0.9341317	0.012761021	0.06586826
## 9	0.40	0.9766764	0.9277108	0.012761021	0.07784431
## 10	0.45	0.9766764	0.9277108	0.012761021	0.07784431
## 11	0.50	0.9766764	0.9268293	0.010440835	0.08982036
## 12	0.55	0.9776482	0.9296636	0.009280742	0.08982036
## 13	0.60	0.9786200	0.9325153	0.008120650	0.08982036
## 14	0.65	0.9776482	0.9292308	0.008120650	0.09580838
## 15	0.70	0.9766764	0.9259259	0.008120650	0.10179641
## 16	0.75	0.9776482	0.9287926	0.006960557	0.10179641
## 17	0.80	0.9776482	0.9283489	0.005800464	0.10778443
## 18	0.85	0.9757046	0.9211356	0.004640371	0.12574850
## 19	0.90	0.9747328	0.9166667	0.002320186	0.14371257
## 20	0.95	0.9620991	0.8695652	0.002320186	0.22155689
## 21	1.00	0.8377065	0.0000000	0.000000000	1.000000000

## Apply the Optimal Trained Model to the Test Data

Next we apply our trained model with the optimal probability cut-off to our test data set in order to estimate model accuracy.

```
# Obtain predictions (returns a list)
lda_pred_test <- predict(lda_fit, newdata = employee_test)

# Store results of model performance on the test data
lda_results_test <- data.frame(employee_test,
  lda_pred_0.5 = lda_pred_test$class,
  lda_pred_test$posterior)

# Add predicted default values at optimal cut-off
lda_results_test <- lda_results_test %>%
  mutate(lda_pred_0.35 = ifelse(Yes >= 0.35,
    "Yes", "No"))
```

The LDA model resulted in an F<sub>1</sub> Score of 0.94 on the test data set, matching of logistic regression models. However, the LDA model had the best false negative rate out of the three candidate models we explored. Therefore, we could justify choosing the LDA model as the one that had the best performance overall.

```
# Full detailed results on the test data set
cf_matrix(actual_vec = lda_results_test$left_company,
          pred_prob_vec = lda_results_test$Yes,
          positive_val = "Yes", cut_prob = 0.35)

## $confusion_matrix
##           metric observations      rate pct_total_obs
## 1      Correct           433 0.98185941  0.981859410
## 2  Misclassified            8 0.01814059  0.018140590
## 3   True Positive           67 0.95714286  0.151927438
## 4   True Negative          366 0.98652291  0.829931973
## 5  False Negative           3 0.04285714  0.006802721
## 6  False Positive           5 0.01347709  0.011337868
##
## $F1_summary
##      metric      value
## 1 Precision 0.9305556
## 2   Recall 0.9571429
## 3   F1 Score 0.9436620
""
```

## Summary of Results (25 Pts)

Write a summary of your overall findings and recommendations to the executives at this company. Think of this section as your closing remarks of a presentation, where you summarize your key findings, model performance, and make recommendations to improve HR processes at the company.

Your summary should include:

1. Key findings from your Exploratory Data Analysis. What were the things that stuck out for you in this section and why are they important?
2. Your “best” classification model and a confusion matrix analysis for this model, including a discussion of either the false negative rate or false positive rate (which ever you think is more important to guard against)
3. Your recommendations to the company on how to reduce employee attrition rates

## Enter Your Summary Below

1.
  - In the Exploratory Data Analysis part, one thing that stuck out for me the most is the left company employees related to the weekly hours. Most of employees that left the company has weekly hours that more than 50 hours/a week (the average weekly hours of employees that left the company is 58). This is very important because the number is way too high compare to the standard rate which is only 40 hours/a week
  - Next thing that I think has high impact on employees’s decision on leaving the company is distance from their home to the office. From the Data Analysis above, we can tell that employees that live near the office tend to stay at the company.

- Another factor that influences the left\_company factor is job satisfaction and performance rating
2. Between 3 models, the Logistic Regression and LDA model have a higher F1 score than the KNN model. We're trying to answer how many costly errors does the predictive model produce (employees that are predicted to stay, but eventually leave the company), so we will use the False Negative rate to determine which model is the best. Based on the confusion matrix analysis, we can tell that the LDA model has the lower false negative rate than logistic regression model (4.2% compare to 8.5%). Thus, we can choose the LDA model is the best model for this data set.
  3.
    - The data analysis indicate that employees who leave the company tend to have lower salaries when compared to employees who do not. I know we can't just increase the salary for everybody, but just need to take it into a consideration on how to adjust employee's salary to fit the best with their worth.
    - The next big issue is the employee's weekly hours, the data analysis indicates that most employees that left the company has very high weekly working hours. Thus, the company should take an action on adjusting the employee's weekly hours in order to reduce the employee attrition rates.
    - Another thing that I took out from the data analysis that impact the attrition rates is job satisfaction and performance rating. Thus, I would suggest to launch a survey throughout the company to see what is the biggest issues related to job satisfaction and performance rating.