

IPL.R

2023-06-01

```
# Read the Excel file
data <- read.csv("C:\\Users\\OneDrive\\Desktop\\BA2\\EDA\\ipl nope.csv")

# Initialize empty data frames to store results
top_run_scores <- data.frame()
low_wicket_takers <- data.frame()

# Loop over unique years
for (year in unique(data$Year)) {
  # Filter data for each year
  year_data <- subset(data, Year == year)

  # Sort data by runs and wickets
  sorted_by_runs <- year_data[order(-year_data$Runs), ]
  sorted_by_wickets <- year_data[order(year_data$Wkts), ]

  # Extract top 3 run scores and Low 3 wicket takers
  top_run_scores <- rbind(top_run_scores, sorted_by_runs[1:3, c("Year",
"Name", "Runs")])
  low_wicket_takers <- rbind(low_wicket_takers, sorted_by_wickets[1:3,
c("Year", "Name", "Wkts")])
}

# Print the results
print("Year-wise Top 3 Run Scores:")

## [1] "Year-wise Top 3 Run Scores:"

print(top_run_scores)

##      Year      Name Runs
## 894  2008  Shaun Marsh  616
## 322  2008 Gautam Gambhir  534
## 880  2008  Shane Watson  472
## 2    2009 AB de Villiers  465
## 963  2009  Suresh Raina  434
## 412  2009      JP Duminy  372
## 964  2010  Suresh Raina  520
## 645  2010  Murali Vijay  458
## 855  2010 Saurabh Tiwary  419
## 209  2011   Chris Gayle  608
```

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## 1047 2011    Virat Kohli  557
## 896  2011    Shaun Marsh  504
## 210  2012    Chris Gayle  733
## 326  2012 Gautam Gambhir  590
## 908  2012 Shikhar Dhawan  569
## 591  2013 Michael Hussey  733
## 211  2013    Chris Gayle  708
## 1049 2013    Virat Kohli  634
## 809  2014 Robin Uthappa  660
## 304  2014    Dwayne Smith  566
## 340  2014 Glenn Maxwell  552
## 254  2015    David Warner  562
## 56   2015 Ajinkya Rahane  540
## 515  2015 Lendl Simmons  540
## 1052 2016    Virat Kohli  973
## 255  2016    David Warner  848
## 9    2016 AB de Villiers  687
## 256  2017    David Warner  641
## 331  2017 Gautam Gambhir  498
## 913  2017 Shikhar Dhawan  479

```

```
print("Year-wise Low 3 Wicket Takers:")
```

```
## [1] "Year-wise Low 3 Wicket Takers:"
```

```
print(low_wicket_takers)
```

```

##      Year      Name Wkts
## 1  2008  AB de Villiers    0
## 50 2008  Ajinkya Rahane    0
## 59 2008    Ajit Agarkar    0
## 2   2009  AB de Villiers    0
## 100 2009  Angelo Mathews    0
## 191 2009  Brendon McCullum    0
## 3   2010  AB de Villiers    0
## 11  2010    Aaron Finch    0
## 27  2010  Abhishek Nayar    0
## 4   2011  AB de Villiers    0
## 12  2011    Aaron Finch    0
## 47  2011  Aiden Blizzard    0
## 5   2012  AB de Villiers    0
## 13  2012    Aaron Finch    0
## 21  2012  Abhimanyu Mithun    0
## 6   2013  AB de Villiers    0
## 42  2013    Aditya Tare    0
## 54  2013  Ajinkya Rahane    0
## 7   2014  AB de Villiers    0
## 15  2014    Aaron Finch    0
## 31  2014  Abhishek Nayar    0
## 8   2015  AB de Villiers    0
## 16  2015    Aaron Finch    0

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## 23  2015 Abhimanyu Mithun    0
## 9   2016  AB de Villiers    0
## 17  2016    Aaron Finch    0
## 24  2016 Abhimanyu Mithun    0
## 10  2017  AB de Villiers    0
## 18  2017    Aaron Finch    0
## 46  2017    Aditya Tare     0

library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

# Read the CSV file
data1 <-
read.csv("C:\\Users\\chara\\OneDrive\\Desktop\\BA2\\EDA\\IPL_Ball_by_Ball_2008_2022.csv")

# Group the data by season, batsman, and match
grouped_data <- data1 %>%
  group_by(Season, batter) %>%
  summarize(
    total_runs = sum(batsman_run),
  )

## `summarise()` has grouped output by 'Season'. You can override using the
## `.groups` argument.

grouped_data1 <- data1 %>%
  group_by(Season, bowler) %>%
  summarize(
    total_wickets = sum(ifelse(isWicketDelivery == "W", 1, 0))
  )

## `summarise()` has grouped output by 'Season'. You can override using the
## `.groups` argument.

# Print the arranged data
print(grouped_data)

## # A tibble: 3,032 × 3
## # Groups:   Season [28]
##   Season batter      total_runs
##   <int> <chr>          <int>

```

```

## 1 1082 A Choudhary 25
## 2 1082 A Mishra 49
## 3 1082 A Zampa 5
## 4 1082 AB Dinda 7
## 5 1082 AB de Villiers 216
## 6 1082 AD Mathews 32
## 7 1082 AD Nath 0
## 8 1082 AF Milne 7
## 9 1082 AJ Finch 300
## 10 1082 AJ Tye 53
## # ... with 3,022 more rows

print(grouped_data1)

## # A tibble: 2,263 × 3
## # Groups: Season [28]
## Season bowler total_wickets
## <int> <chr> <dbl>
## 1 1082 A Choudhary 0
## 2 1082 A Mishra 0
## 3 1082 A Nehra 0
## 4 1082 A Zampa 0
## 5 1082 AB Dinda 0
## 6 1082 AD Mathews 0
## 7 1082 AF Milne 0
## 8 1082 AJ Tye 0
## 9 1082 AR Patel 0
## 10 1082 AS Rajpoot 0
## # ... with 2,253 more rows

library(dplyr)
library(fitdistrplus)

## Warning: package 'fitdistrplus' was built under R version 4.2.3

## Loading required package: MASS

## Warning: package 'MASS' was built under R version 4.2.3

##
## Attaching package: 'MASS'

## The following object is masked from 'package:dplyr':
##
## select

## Loading required package: survival

library(ggplot2)

# Filter the data for the last three IPL years
last_three_years <- max(data$Year) - 2

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filtered_data <- data %>% filter(Year >= last_three_years)

# Calculate aggregate runs and wickets for each player
aggregate_runs <- filtered_data %>%
  group_by(Name) %>%
  summarise(total_runs = sum(Runs)) %>%
  arrange(desc(total_runs)) %>%
  top_n(3)

## Selecting by total_runs

aggregate_wickets <- filtered_data %>%
  group_by(Name) %>%
  summarise(total_wickets = sum(Wkts)) %>%
  arrange(desc(total_wickets)) %>%
  top_n(3)

## Selecting by total_wickets

# Fit distributions to runs and wickets data
fit_runs <- fitdist(aggregate_runs$total_runs, "norm")
fit_wickets <- fitdist(aggregate_wickets$total_wickets, "pois")

# Print the distribution fits
print(fit_runs)

## Fitting of the distribution ' norm ' by maximum likelihood
## Parameters:
##      estimate Std. Error
## mean 1751.0000   150.3519
## sd    260.4163   106.3143

print(fit_wickets)

## Fitting of the distribution ' pois ' by maximum likelihood
## Parameters:
##      estimate Std. Error
## lambda 59.66667    4.459696

library(lmtest)

## Warning: package 'lmtest' was built under R version 4.2.3

## Loading required package: zoo

## Warning: package 'zoo' was built under R version 4.2.3

##
## Attaching package: 'zoo'

## The following objects are masked from 'package:base':
##
##      as.Date, as.Date.numeric

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# Convert Status to a factor variable
data$Status <- as.factor(data$Status)

# Perform a regression analysis
model <- lm(Final.Price ~ Status, data = data)

# Check the regression model summary
summary(model)

##
## Call:
## lm(formula = Final.Price ~ Status, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -5e+07  0e+00  0e+00  0e+00  5e+07
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  1.000e+06  1.400e+07   0.071  0.943152
## Status3      5.500e+05  1.566e+07   0.035  0.972016
## Status4      5.000e+04  1.566e+07   0.003  0.997455
## Status5      5.000e+06  1.617e+07   0.309  0.757521
## Status6     -1.174e-05  1.980e+07   0.000  1.000000
## Status7     -8.017e-06  1.980e+07   0.000  1.000000
## Status8      1.000e+05  1.715e+07   0.006  0.995354
## Status9      1.150e+07  1.715e+07   0.671  0.503408
## Status10     1.000e+05  1.715e+07   0.006  0.995354
## Status11    -7.855e-06  1.980e+07   0.000  1.000000
## Status13     1.500e+06  1.715e+07   0.087  0.930405
## Status14     1.900e+07  1.980e+07   0.959  0.338690
## Status15    -1.000e+05  1.715e+07  -0.006  0.995354
## Status16    -8.814e-06  1.980e+07   0.000  1.000000
## Status18    -4.000e+05  1.980e+07  -0.020  0.983908
## Status19     1.000e+06  1.980e+07   0.050  0.959785
## Status20    -4.000e+05  1.980e+07  -0.020  0.983908
## Status21     1.500e+06  1.980e+07   0.076  0.939710
## Status23    -8.392e-06  1.980e+07   0.000  1.000000
## Status25    -7.289e-06  1.980e+07   0.000  1.000000
## Status26     1.900e+07  1.980e+07   0.959  0.338690
## Status27    -8.795e-06  1.980e+07   0.000  1.000000
## Status28     8.360e+06  1.617e+07   0.517  0.605785
## Status29     1.657e+06  1.715e+07   0.097  0.923131
## Status30     1.000e+05  1.715e+07   0.006  0.995354
## Status32    -7.214e-06  1.980e+07   0.000  1.000000
## Status33    -7.636e-06  1.980e+07   0.000  1.000000
## Status34    -8.826e-06  1.980e+07   0.000  1.000000
## Status35     4.000e+05  1.617e+07   0.025  0.980292
## Status36     2.500e+06  1.715e+07   0.146  0.884272
## Status37    -2.000e+05  1.980e+07  -0.010  0.991954

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## Status39	1.000e+05	1.715e+07	0.006	0.995354
## Status40	4.736e+05	1.980e+07	0.024	0.980948
## Status44	1.000e+05	1.715e+07	0.006	0.995354
## Status45	3.887e+05	1.980e+07	0.020	0.984363
## Status46	2.000e+05	1.980e+07	0.010	0.991954
## Status47	-7.322e-06	1.980e+07	0.000	1.000000
## Status50	1.157e+07	1.715e+07	0.675	0.500632
## Status51	2.000e+05	1.980e+07	0.010	0.991954
## Status53	5.000e+06	1.715e+07	0.292	0.770986
## Status54	2.000e+06	1.980e+07	0.101	0.919673
## Status55	1.900e+07	1.980e+07	0.959	0.338690
## Status56	7.500e+06	1.980e+07	0.379	0.705358
## Status57	-7.445e-06	1.980e+07	0.000	1.000000
## Status59	-7.230e-06	1.980e+07	0.000	1.000000
## Status60	1.100e+06	1.715e+07	0.064	0.948933
## Status63	6.950e+06	1.566e+07	0.444	0.657655
## Status69	2.250e+06	1.715e+07	0.131	0.895774
## Status73	1.536e+06	1.715e+07	0.090	0.928717
## Status74	6.000e+06	1.715e+07	0.350	0.726877
## Status76	2.000e+05	1.980e+07	0.010	0.991954
## Status77	-1.000e+05	1.715e+07	-0.006	0.995354
## Status78	5.500e+05	1.566e+07	0.035	0.972016
## Status79	-7.674e-06	1.980e+07	0.000	1.000000
## Status82	-2.000e+05	1.980e+07	-0.010	0.991954
## Status84	1.450e+07	1.715e+07	0.845	0.399024
## Status86	2.000e+05	1.980e+07	0.010	0.991954
## Status87	1.000e+06	1.980e+07	0.050	0.959785
## Status88	1.283e+07	1.617e+07	0.794	0.428475
## Status89	-7.151e-06	1.715e+07	0.000	1.000000
## Status90	2.260e+06	1.715e+07	0.132	0.895314
## Status92	5.000e+05	1.715e+07	0.029	0.976775
## Status93	1.000e+05	1.715e+07	0.006	0.995354
## Status94	1.000e+05	1.715e+07	0.006	0.995354
## Status95	1.200e+07	1.715e+07	0.700	0.485059
## Status96	4.133e+06	1.617e+07	0.256	0.798542
## Status98	1.000e+05	1.715e+07	0.006	0.995354
## Status99	-4.000e+04	1.715e+07	-0.002	0.998142
## Status102	-8.254e-06	1.715e+07	0.000	1.000000
## Status105	3.887e+05	1.980e+07	0.020	0.984363
## Status106	-6.942e-06	1.980e+07	0.000	1.000000
## Status107	-8.325e-06	1.980e+07	0.000	1.000000
## Status108	-6.729e-06	1.980e+07	0.000	1.000000
## Status109	8.500e+06	1.980e+07	0.429	0.668298
## Status111	1.600e+06	1.617e+07	0.099	0.921290
## Status112	1.000e+05	1.715e+07	0.006	0.995354
## Status113	2.000e+06	1.980e+07	0.101	0.919673
## Status116	5.000e+05	1.715e+07	0.029	0.976775
## Status117	1.100e+06	1.715e+07	0.064	0.948933
## Status118	-5.642e-06	1.980e+07	0.000	1.000000
## Status119	-6.197e-06	1.980e+07	0.000	1.000000

## Status120	-8.540e-06	1.980e+07	0.000	1.000000
## Status121	-7.323e-06	1.980e+07	0.000	1.000000
## Status124	-2.000e+05	1.980e+07	-0.010	0.991954
## Status126	2.000e+05	1.980e+07	0.010	0.991954
## Status128	2.000e+06	1.980e+07	0.101	0.919673
## Status129	2.000e+05	1.980e+07	0.010	0.991954
## Status130	2.000e+05	1.980e+07	0.010	0.991954
## Status131	-9.821e-06	1.980e+07	0.000	1.000000
## Status132	-7.346e-06	1.980e+07	0.000	1.000000
## Status135	1.000e+06	1.980e+07	0.050	0.959785
## Status136	3.000e+06	1.980e+07	0.151	0.879766
## Status137	6.400e+06	1.534e+07	0.417	0.677035
## Status140	-6.922e-06	1.980e+07	0.000	1.000000
## Status142	1.500e+07	1.980e+07	0.757	0.449818
## Status143	-7.692e-06	1.980e+07	0.000	1.000000
## Status146	2.000e+05	1.980e+07	0.010	0.991954
## Status147	2.000e+06	1.980e+07	0.101	0.919673
## Status149	1.500e+06	1.715e+07	0.087	0.930405
## Status152	-7.823e-06	1.715e+07	0.000	1.000000
## Status154	-1.000e+05	1.715e+07	-0.006	0.995354
## Status158	5.000e+05	1.715e+07	0.029	0.976775
## Status162	2.000e+06	1.980e+07	0.101	0.919673
## Status168	3.629e+07	1.980e+07	1.833	0.068624 .
## Status169	-2.000e+05	1.980e+07	-0.010	0.991954
## Status170	1.500e+06	1.715e+07	0.087	0.930405
## Status174	2.000e+06	1.980e+07	0.101	0.919673
## Status176	-4.000e+05	1.980e+07	-0.020	0.983908
## Status178	-7.074e-06	1.980e+07	0.000	1.000000
## Status179	2.500e+06	1.980e+07	0.126	0.899687
## Status181	-7.477e-06	1.980e+07	0.000	1.000000
## Status182	1.800e+07	1.980e+07	0.909	0.364657
## Status183	3.500e+06	1.980e+07	0.177	0.859921
## Status185	-7.343e-06	1.980e+07	0.000	1.000000
## Status188	2.013e+06	1.715e+07	0.117	0.906676
## Status192	1.500e+06	1.715e+07	0.087	0.930405
## Status193	3.000e+06	1.980e+07	0.151	0.879766
## Status195	1.000e+06	1.980e+07	0.050	0.959785
## Status196	-7.025e-06	1.715e+07	0.000	1.000000
## Status199	1.800e+07	1.980e+07	0.909	0.364657
## Status200	4.500e+06	1.715e+07	0.262	0.793335
## Status201	-8.160e-06	1.980e+07	0.000	1.000000
## Status203	2.000e+05	1.980e+07	0.010	0.991954
## Status205	4.250e+06	1.715e+07	0.248	0.804575
## Status206	5.000e+06	1.980e+07	0.252	0.800968
## Status208	2.667e+06	1.617e+07	0.165	0.869199
## Status209	2.000e+06	1.980e+07	0.101	0.919673
## Status210	2.000e+05	1.980e+07	0.010	0.991954
## Status211	-7.826e-06	1.980e+07	0.000	1.000000
## Status216	2.500e+07	1.980e+07	1.262	0.208517
## Status218	4.416e+06	1.617e+07	0.273	0.785095

## Status219	5.500e+06	1.980e+07	0.278	0.781551
## Status220	-9.255e-06	1.980e+07	0.000	1.000000
## Status224	1.200e+07	1.980e+07	0.606	0.545340
## Status225	6.000e+06	1.980e+07	0.303	0.762270
## Status226	3.000e+06	1.980e+07	0.151	0.879766
## Status227	1.000e+06	1.980e+07	0.050	0.959785
## Status229	6.000e+05	1.715e+07	0.035	0.972132
## Status230	3.100e+07	1.980e+07	1.565	0.119341
## Status232	2.000e+06	1.980e+07	0.101	0.919673
## Status233	1.950e+07	1.715e+07	1.137	0.257120
## Status234	1.496e+07	1.715e+07	0.872	0.384393
## Status237	-7.106e-06	1.980e+07	0.000	1.000000
## Status238	1.000e+05	1.715e+07	0.006	0.995354
## Status239	1.000e+06	1.715e+07	0.058	0.953570
## Status243	1.157e+07	1.617e+07	0.715	0.475366
## Status244	2.910e+06	1.980e+07	0.147	0.883347
## Status248	1.000e+05	1.715e+07	0.006	0.995354
## Status251	2.600e+07	1.980e+07	1.313	0.190971
## Status255	7.000e+06	1.980e+07	0.353	0.724163
## Status258	1.000e+06	1.980e+07	0.050	0.959785
## Status261	-7.125e-06	1.980e+07	0.000	1.000000
## Status264	4.400e+07	1.980e+07	2.222	0.027610 *
## Status265	5.750e+06	1.715e+07	0.335	0.737826
## Status266	1.200e+07	1.715e+07	0.700	0.485059
## Status267	1.100e+07	1.980e+07	0.555	0.579299
## Status272	1.100e+06	1.715e+07	0.064	0.948933
## Status275	1.000e+06	1.980e+07	0.050	0.959785
## Status276	1.400e+07	1.980e+07	0.707	0.480553
## Status277	-7.277e-06	1.980e+07	0.000	1.000000
## Status278	1.050e+07	1.980e+07	0.530	0.596646
## Status280	2.000e+05	1.980e+07	0.010	0.991954
## Status282	4.024e+06	1.715e+07	0.235	0.814758
## Status285	-7.896e-06	1.980e+07	0.000	1.000000
## Status286	1.900e+07	1.980e+07	0.959	0.338690
## Status290	-8.037e-06	1.980e+07	0.000	1.000000
## Status292	2.000e+06	1.980e+07	0.101	0.919673
## Status294	2.000e+06	1.980e+07	0.101	0.919673
## Status295	1.759e+07	1.715e+07	1.026	0.306380
## Status298	2.000e+06	1.980e+07	0.101	0.919673
## Status300	3.000e+06	1.980e+07	0.151	0.879766
## Status302	-7.985e-06	1.715e+07	0.000	1.000000
## Status304	1.000e+06	1.980e+07	0.050	0.959785
## Status306	5.750e+06	1.715e+07	0.335	0.737826
## Status310	1.000e+06	1.715e+07	0.058	0.953570
## Status311	2.000e+05	1.980e+07	0.010	0.991954
## Status312	2.000e+06	1.980e+07	0.101	0.919673
## Status313	6.000e+06	1.980e+07	0.303	0.762270
## Status314	8.250e+06	1.715e+07	0.481	0.631095
## Status317	1.000e+06	1.980e+07	0.050	0.959785
## Status322	3.580e+07	1.980e+07	1.808	0.072402 .

## Status324	6.000e+05	1.715e+07	0.035	0.972132
## Status326	1.000e+06	1.980e+07	0.050	0.959785
## Status328	2.000e+06	1.980e+07	0.101	0.919673
## Status329	6.901e+06	1.715e+07	0.402	0.687910
## Status330	7.500e+06	1.980e+07	0.379	0.705358
## Status336	2.340e+07	1.715e+07	1.364	0.174229
## Status337	8.660e+06	1.980e+07	0.437	0.662440
## Status341	1.350e+07	1.715e+07	0.787	0.432270
## Status343	2.000e+06	1.980e+07	0.101	0.919673
## Status344	1.700e+07	1.980e+07	0.858	0.391845
## Status345	5.750e+06	1.715e+07	0.335	0.737826
## Status346	4.000e+06	1.980e+07	0.202	0.840165
## Status350	3.580e+07	1.980e+07	1.808	0.072402 .
## Status355	6.000e+06	1.715e+07	0.350	0.726877
## Status356	2.000e+05	1.980e+07	0.010	0.991954
## Status358	5.500e+06	1.715e+07	0.321	0.748828
## Status362	1.000e+06	1.980e+07	0.050	0.959785
## Status364	2.000e+05	1.980e+07	0.010	0.991954
## Status367	1.052e+07	1.715e+07	0.614	0.540226
## Status370	4.000e+06	1.980e+07	0.202	0.840165
## Status373	2.500e+06	1.715e+07	0.146	0.884272
## Status378	4.000e+06	1.980e+07	0.202	0.840165
## Status379	2.000e+05	1.980e+07	0.010	0.991954
## Status380	4.000e+06	1.980e+07	0.202	0.840165
## Status382	1.117e+07	1.617e+07	0.691	0.490743
## Status384	7.970e+06	1.715e+07	0.465	0.642719
## Status385	1.600e+07	1.980e+07	0.808	0.420239
## Status386	2.680e+06	1.980e+07	0.135	0.892508
## Status388	5.000e+05	1.980e+07	0.025	0.979886
## Status389	-6.967e-06	1.980e+07	0.000	1.000000
## Status390	2.048e+05	1.980e+07	0.010	0.991761
## Status391	2.000e+05	1.980e+07	0.010	0.991954
## Status392	8.500e+06	1.980e+07	0.429	0.668298
## Status397	2.000e+06	1.980e+07	0.101	0.919673
## Status399	2.000e+06	1.980e+07	0.101	0.919673
## Status400	-7.337e-06	1.980e+07	0.000	1.000000
## Status401	-7.283e-06	1.980e+07	0.000	1.000000
## Status404	-7.732e-06	1.980e+07	0.000	1.000000
## Status405	1.900e+07	1.980e+07	0.959	0.338690
## Status411	1.550e+07	1.715e+07	0.904	0.367378
## Status416	2.500e+07	1.980e+07	1.262	0.208517
## Status422	4.250e+06	1.715e+07	0.248	0.804575
## Status424	2.000e+06	1.980e+07	0.101	0.919673
## Status426	6.270e+06	1.715e+07	0.366	0.715116
## Status431	-2.000e+05	1.980e+07	-0.010	0.991954
## Status432	-8.127e-06	1.980e+07	0.000	1.000000
## Status434	-8.476e-06	1.980e+07	0.000	1.000000
## Status439	4.000e+06	1.980e+07	0.202	0.840165
## Status441	1.280e+07	1.980e+07	0.646	0.518910
## Status442	4.000e+06	1.980e+07	0.202	0.840165

## Status446	3.900e+07	1.980e+07	1.969	0.050530	.
## Status447	4.000e+06	1.980e+07	0.202	0.840165	
## Status448	6.210e+06	1.715e+07	0.362	0.717724	
## Status449	8.085e+06	1.715e+07	0.471	0.637934	
## Status452	3.900e+07	1.980e+07	1.969	0.050530	.
## Status455	5.643e+06	1.497e+07	0.377	0.706648	
## Status457	-6.971e-06	1.980e+07	0.000	1.000000	
## Status459	3.580e+07	1.980e+07	1.808	0.072402	.
## Status461	2.900e+07	1.980e+07	1.464	0.144921	
## Status467	1.350e+07	1.715e+07	0.787	0.432270	
## Status469	5.527e+06	1.715e+07	0.322	0.747637	
## Status477	1.000e+06	1.980e+07	0.050	0.959785	
## Status478	3.000e+06	1.980e+07	0.151	0.879766	
## Status479	1.625e+07	1.980e+07	0.821	0.413029	
## Status483	1.000e+06	1.980e+07	0.050	0.959785	
## Status485	4.000e+06	1.980e+07	0.202	0.840165	
## Status487	4.000e+06	1.980e+07	0.202	0.840165	
## Status494	-8.060e-06	1.980e+07	0.000	1.000000	
## Status497	2.833e+06	1.617e+07	0.175	0.861105	
## Status500	3.580e+07	1.980e+07	1.808	0.072402	.
## Status506	2.000e+06	1.980e+07	0.101	0.919673	
## Status509	2.000e+05	1.980e+07	0.010	0.991954	
## Status511	1.152e+07	1.715e+07	0.672	0.502725	
## Status515	1.190e+08	1.980e+07	6.009	1.10e-08	***
## Status517	9.000e+06	1.980e+07	0.454	0.650063	
## Status518	3.900e+07	1.980e+07	1.969	0.050530	.
## Status521	1.900e+07	1.980e+07	0.959	0.338690	
## Status522	4.250e+06	1.715e+07	0.248	0.804575	
## Status523	1.142e+07	1.980e+07	0.577	0.564915	
## Status527	3.810e+07	1.980e+07	1.924	0.056029	.
## Status534	2.000e+06	1.980e+07	0.101	0.919673	
## Status535	4.495e+06	1.715e+07	0.262	0.793548	
## Status538	6.500e+05	1.715e+07	0.038	0.969811	
## Status539	3.820e+07	1.617e+07	2.363	0.019280	*
## Status544	1.500e+06	1.715e+07	0.087	0.930405	
## Status546	2.000e+06	1.980e+07	0.101	0.919673	
## Status554	4.100e+07	1.980e+07	2.070	0.039925	*
## Status556	1.513e+06	1.980e+07	0.076	0.939168	
## Status561	1.096e+07	1.980e+07	0.553	0.580678	
## Status562	8.500e+06	1.715e+07	0.496	0.620793	
## Status566	8.640e+07	1.980e+07	4.363	2.22e-05	***
## Status568	1.619e+07	1.980e+07	0.818	0.414695	
## Status571	-7.082e-06	1.980e+07	0.000	1.000000	
## Status573	1.000e+06	1.980e+07	0.050	0.959785	
## Status574	9.000e+06	1.980e+07	0.454	0.650063	
## Status578	3.000e+06	1.980e+07	0.151	0.879766	
## Status579	2.000e+06	1.980e+07	0.101	0.919673	
## Status582	1.100e+07	1.980e+07	0.555	0.579299	
## Status584	4.000e+06	1.980e+07	0.202	0.840165	
## Status586	1.000e+06	1.980e+07	0.050	0.959785	

## Status589	1.500e+07	1.980e+07	0.757	0.449818	
## Status590	2.000e+06	1.980e+07	0.101	0.919673	
## Status592	2.900e+07	1.980e+07	1.464	0.144921	
## Status597	5.400e+03	1.980e+07	0.000	0.999783	
## Status598	3.750e+06	1.715e+07	0.219	0.827175	
## Status599	8.400e+07	1.980e+07	4.242	3.63e-05	***
## Status603	9.800e+06	1.715e+07	0.571	0.568458	
## Status605	-6.822e-06	1.980e+07	0.000	1.000000	
## Status606	4.000e+06	1.980e+07	0.202	0.840165	
## Status612	9.000e+06	1.980e+07	0.454	0.650063	
## Status613	4.000e+06	1.980e+07	0.202	0.840165	
## Status614	4.736e+05	1.980e+07	0.024	0.980948	
## Status617	-7.447e-06	1.980e+07	0.000	1.000000	
## Status621	2.000e+06	1.980e+07	0.101	0.919673	
## Status625	1.500e+07	1.980e+07	0.757	0.449818	
## Status629	5.900e+06	1.980e+07	0.298	0.766115	
## Status630	-8.834e-06	1.980e+07	0.000	1.000000	
## Status632	2.000e+06	1.980e+07	0.101	0.919673	
## Status637	1.100e+07	1.980e+07	0.555	0.579299	
## Status639	1.900e+07	1.980e+07	0.959	0.338690	
## Status641	1.200e+07	1.980e+07	0.606	0.545340	
## Status643	4.000e+06	1.980e+07	0.202	0.840165	
## Status644	3.005e+07	1.980e+07	1.517	0.131008	
## Status646	1.500e+07	1.980e+07	0.757	0.449818	
## Status653	5.000e+06	1.980e+07	0.252	0.800968	
## Status654	4.000e+06	1.980e+07	0.202	0.840165	
## Status656	2.000e+05	1.980e+07	0.010	0.991954	
## Status658	3.000e+06	1.980e+07	0.151	0.879766	
## Status661	1.280e+07	1.980e+07	0.646	0.518910	
## Status666	1.500e+07	1.980e+07	0.757	0.449818	
## Status669	5.250e+06	1.715e+07	0.306	0.759882	
## Status672	1.500e+06	1.980e+07	0.076	0.939710	
## Status673	2.611e+07	1.980e+07	1.318	0.189144	
## Status674	5.500e+06	1.980e+07	0.278	0.781551	
## Status675	2.900e+07	1.980e+07	1.464	0.144921	
## Status679	2.000e+05	1.980e+07	0.010	0.991954	
## Status685	3.100e+07	1.980e+07	1.565	0.119341	
## Status690	3.372e+07	1.980e+07	1.703	0.090459	.
## Status696	3.870e+07	1.715e+07	2.257	0.025307	*
## Status698	4.100e+07	1.980e+07	2.070	0.039925	*
## Status704	7.260e+07	1.980e+07	3.666	0.000329	***
## Status708	1.400e+07	1.980e+07	0.707	0.480553	
## Status709	1.000e+06	1.980e+07	0.050	0.959785	
## Status723	2.000e+06	1.980e+07	0.101	0.919673	
## Status730	5.000e+05	1.715e+07	0.029	0.976775	
## Status732	7.500e+06	1.715e+07	0.437	0.662431	
## Status735	7.500e+06	1.980e+07	0.379	0.705358	
## Status736	9.000e+06	1.980e+07	0.454	0.650063	
## Status740	3.900e+07	1.980e+07	1.969	0.050530	.
## Status743	2.275e+07	1.715e+07	1.327	0.186437	

## Status744	4.780e+07	1.715e+07	2.787	0.005919	**
## Status750	5.500e+06	1.980e+07	0.278	0.781551	
## Status751	2.000e+06	1.980e+07	0.101	0.919673	
## Status752	5.000e+06	1.715e+07	0.292	0.770986	
## Status753	4.000e+06	1.980e+07	0.202	0.840165	
## Status755	1.300e+07	1.980e+07	0.656	0.512408	
## Status759	4.150e+07	1.980e+07	2.096	0.037593	*
## Status761	4.000e+06	1.980e+07	0.202	0.840165	
## Status764	7.260e+07	1.980e+07	3.666	0.000329	***
## Status765	7.500e+06	1.980e+07	0.379	0.705358	
## Status774	4.500e+06	1.980e+07	0.227	0.820510	
## Status775	1.700e+07	1.980e+07	0.858	0.391845	
## Status781	3.810e+07	1.980e+07	1.924	0.056029	.
## Status786	1.500e+07	1.980e+07	0.757	0.449818	
## Status787	5.900e+07	1.980e+07	2.979	0.003311	**
## Status796	1.413e+07	1.617e+07	0.874	0.383294	
## Status797	1.900e+07	1.980e+07	0.959	0.338690	
## Status807	1.000e+06	1.715e+07	0.058	0.953570	
## Status811	7.000e+06	1.715e+07	0.408	0.683663	
## Status815	1.400e+07	1.980e+07	0.707	0.480553	
## Status816	1.050e+07	1.715e+07	0.612	0.541188	
## Status819	4.000e+06	1.980e+07	0.202	0.840165	
## Status823	2.100e+07	1.980e+07	1.060	0.290442	
## Status827	5.000e+06	1.715e+07	0.292	0.770986	
## Status835	9.000e+06	1.980e+07	0.454	0.650063	
## Status844	5.081e+05	1.980e+07	0.026	0.979560	
## Status846	4.100e+07	1.980e+07	2.070	0.039925	*
## Status850	-6.964e-06	1.980e+07	0.000	1.000000	
## Status854	1.000e+06	1.980e+07	0.050	0.959785	
## Status857	1.850e+07	1.715e+07	1.079	0.282235	
## Status864	3.150e+07	1.980e+07	1.591	0.113539	
## Status868	1.000e+06	1.980e+07	0.050	0.959785	
## Status870	2.324e+07	1.715e+07	1.355	0.177167	
## Status873	2.531e+06	1.715e+07	0.148	0.882829	
## Status876	9.000e+06	1.980e+07	0.454	0.650063	
## Status877	1.600e+07	1.980e+07	0.808	0.420239	
## Status879	1.600e+07	1.980e+07	0.808	0.420239	
## Status881	1.142e+07	1.980e+07	0.577	0.564915	
## Status882	2.000e+05	1.980e+07	0.010	0.991954	
## Status883	3.600e+06	1.980e+07	0.182	0.855962	
## Status885	1.289e+07	1.980e+07	0.651	0.516076	
## Status889	2.487e+07	1.715e+07	1.450	0.148773	
## Status892	1.000e+07	1.980e+07	0.505	0.614228	
## Status894	9.000e+06	1.980e+07	0.454	0.650063	
## Status897	2.000e+06	1.980e+07	0.101	0.919673	
## Status898	1.974e+07	1.715e+07	1.151	0.251410	
## Status906	2.300e+07	1.980e+07	1.161	0.247087	
## Status909	3.667e+06	1.617e+07	0.227	0.820873	
## Status911	9.000e+06	1.980e+07	0.454	0.650063	
## Status914	9.000e+06	1.980e+07	0.454	0.650063	

## Status920	1.300e+07	1.980e+07	0.656	0.512408	
## Status922	2.075e+07	1.715e+07	1.210	0.227985	
## Status923	4.100e+07	1.980e+07	2.070	0.039925	*
## Status925	1.500e+07	1.980e+07	0.757	0.449818	
## Status926	1.096e+07	1.980e+07	0.553	0.580678	
## Status935	2.500e+07	1.980e+07	1.262	0.208517	
## Status937	9.500e+06	1.715e+07	0.554	0.580345	
## Status941	2.000e+05	1.980e+07	0.010	0.991954	
## Status947	7.500e+06	1.980e+07	0.379	0.705358	
## Status949	2.200e+07	1.980e+07	1.111	0.268157	
## Status952	2.075e+07	1.980e+07	1.048	0.296204	
## Status953	2.031e+07	1.980e+07	1.026	0.306579	
## Status977	4.000e+06	1.980e+07	0.202	0.840165	
## Status984	2.700e+07	1.980e+07	1.363	0.174546	
## Status986	-7.439e-06	1.980e+07	0.000	1.000000	
## Status989	9.000e+06	1.980e+07	0.454	0.650063	
## Status1003	1.456e+06	1.980e+07	0.074	0.941475	
## Status1016	1.202e+07	1.715e+07	0.701	0.484471	
## Status1019	1.800e+07	1.980e+07	0.909	0.364657	
## Status1020	5.400e+07	1.980e+07	2.727	0.007064	**
## Status1021	2.000e+06	1.980e+07	0.101	0.919673	
## Status1030	2.000e+05	1.980e+07	0.010	0.991954	
## Status1032	1.657e+07	1.715e+07	0.966	0.335392	
## Status1041	2.000e+05	1.980e+07	0.010	0.991954	
## Status1043	2.000e+06	1.980e+07	0.101	0.919673	
## Status1060	2.890e+07	1.980e+07	1.459	0.146304	
## Status1062	5.500e+06	1.980e+07	0.278	0.781551	
## Status1067	1.500e+07	1.980e+07	0.757	0.449818	
## Status1071	3.900e+07	1.980e+07	1.969	0.050530	.
## Status1075	5.430e+07	1.980e+07	2.742	0.006763	**
## Status1079	4.400e+07	1.980e+07	2.222	0.027610	*
## Status1097	2.200e+07	1.980e+07	1.111	0.268157	
## Status1099	3.216e+07	1.980e+07	1.624	0.106269	
## Status1104	9.000e+06	1.980e+07	0.454	0.650063	
## Status1114	3.150e+07	1.715e+07	1.837	0.067991	.
## Status1117	2.700e+07	1.980e+07	1.363	0.174546	
## Status1124	2.297e+07	1.980e+07	1.160	0.247670	
## Status1129	7.500e+06	1.980e+07	0.379	0.705358	
## Status1138	2.000e+05	1.980e+07	0.010	0.991954	
## Status1141	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1150	4.500e+06	1.980e+07	0.227	0.820510	
## Status1153	1.900e+07	1.980e+07	0.959	0.338690	
## Status1162	2.650e+07	1.715e+07	1.545	0.124154	
## Status1166	1.000e+06	1.980e+07	0.050	0.959785	
## Status1167	1.400e+07	1.980e+07	0.707	0.480553	
## Status1169	1.100e+07	1.980e+07	0.555	0.579299	
## Status1171	2.200e+07	1.980e+07	1.111	0.268157	
## Status1174	4.100e+07	1.617e+07	2.536	0.012123	*
## Status1176	9.000e+06	1.980e+07	0.454	0.650063	
## Status1178	1.280e+07	1.980e+07	0.646	0.518910	

## Status1180	4.566e+07	1.980e+07	2.306	0.022322	*
## Status1192	4.000e+06	1.980e+07	0.202	0.840165	
## Status1193	4.140e+07	1.617e+07	2.560	0.011323	*
## Status1194	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1200	6.500e+06	1.980e+07	0.328	0.743137	
## Status1208	2.700e+07	1.980e+07	1.363	0.174546	
## Status1210	1.983e+07	1.980e+07	1.001	0.318058	
## Status1217	1.300e+07	1.980e+07	0.656	0.512408	
## Status1222	3.650e+07	1.980e+07	1.843	0.067045	.
## Status1229	7.000e+06	1.980e+07	0.353	0.724163	
## Status1231	1.900e+07	1.980e+07	0.959	0.338690	
## Status1235	1.096e+07	1.980e+07	0.553	0.580678	
## Status1236	2.000e+06	1.715e+07	0.117	0.907299	
## Status1238	2.000e+07	1.980e+07	1.010	0.313951	
## Status1239	1.900e+07	1.980e+07	0.959	0.338690	
## Status1243	1.500e+07	1.980e+07	0.757	0.449818	
## Status1246	4.040e+07	1.980e+07	2.040	0.042886	*
## Status1266	1.200e+07	1.980e+07	0.606	0.545340	
## Status1274	4.327e+06	1.980e+07	0.219	0.827298	
## Status1290	1.740e+07	1.980e+07	0.879	0.380824	
## Status1292	4.040e+07	1.980e+07	2.040	0.042886	*
## Status1296	3.400e+07	1.980e+07	1.717	0.087814	.
## Status1298	1.400e+07	1.980e+07	0.707	0.480553	
## Status1301	6.000e+06	1.980e+07	0.303	0.762270	
## Status1303	9.654e+06	1.980e+07	0.488	0.626528	
## Status1310	4.400e+07	1.980e+07	2.222	0.027610	*
## Status1316	7.708e+07	1.715e+07	4.495	1.28e-05	***
## Status1317	1.280e+07	1.980e+07	0.646	0.518910	
## Status1323	2.600e+07	1.715e+07	1.516	0.131362	
## Status1324	3.150e+07	1.980e+07	1.591	0.113539	
## Status1325	1.520e+07	1.980e+07	0.768	0.443764	
## Status1327	6.500e+06	1.980e+07	0.328	0.743137	
## Status1329	3.600e+06	1.980e+07	0.182	0.855962	
## Status1330	5.400e+07	1.980e+07	2.727	0.007064	**
## Status1332	2.000e+05	1.980e+07	0.010	0.991954	
## Status1337	1.281e+07	1.715e+07	0.747	0.456099	
## Status1355	4.270e+07	1.980e+07	2.156	0.032469	*
## Status1367	2.000e+06	1.980e+07	0.101	0.919673	
## Status1378	3.168e+07	1.980e+07	1.600	0.111556	
## Status1382	4.500e+06	1.980e+07	0.227	0.820510	
## Status1390	1.314e+06	1.980e+07	0.066	0.947154	
## Status1391	4.040e+07	1.980e+07	2.040	0.042886	*
## Status1396	2.000e+05	1.980e+07	0.010	0.991954	
## Status1403	6.368e+06	1.980e+07	0.322	0.748173	
## Status1407	9.000e+06	1.980e+07	0.454	0.650063	
## Status1408	8.640e+07	1.980e+07	4.363	2.22e-05	***
## Status1411	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status1413	2.500e+07	1.980e+07	1.262	0.208517	
## Status1414	2.500e+07	1.980e+07	1.262	0.208517	
## Status1431	9.560e+07	1.980e+07	4.828	3.06e-06	***

## Status1442	3.900e+07	1.980e+07	1.969	0.050530	.
## Status1445	4.900e+07	1.980e+07	2.474	0.014327	*
## Status1446	9.000e+06	1.980e+07	0.454	0.650063	
## Status1460	2.000e+06	1.980e+07	0.101	0.919673	
## Status1466	3.900e+07	1.980e+07	1.969	0.050530	.
## Status1472	1.280e+07	1.980e+07	0.646	0.518910	
## Status1486	-7.703e-06	1.980e+07	0.000	1.000000	
## Status1490	4.040e+07	1.980e+07	2.040	0.042886	*
## Status1497	1.300e+06	1.980e+07	0.066	0.947736	
## Status1501	2.000e+06	1.980e+07	0.101	0.919673	
## Status1504	3.887e+05	1.980e+07	0.020	0.984363	
## Status1520	5.900e+07	1.980e+07	2.979	0.003311	**
## Status1546	1.600e+07	1.980e+07	0.808	0.420239	
## Status1550	1.500e+07	1.980e+07	0.757	0.449818	
## Status1554	1.205e+07	1.980e+07	0.609	0.543602	
## Status1555	2.150e+07	1.980e+07	1.086	0.279147	
## Status1578	2.300e+07	1.980e+07	1.161	0.247087	
## Status1584	3.810e+07	1.980e+07	1.924	0.056029	.
## Status1590	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status1595	8.200e+06	1.980e+07	0.414	0.679336	
## Status1596	3.496e+07	1.980e+07	1.765	0.079314	.
## Status1598	4.270e+07	1.980e+07	2.156	0.032469	*
## Status1608	5.227e+07	1.980e+07	2.640	0.009074	**
## Status1611	9.000e+06	1.980e+07	0.454	0.650063	
## Status1614	9.054e+06	1.980e+07	0.457	0.648105	
## Status1620	1.280e+07	1.980e+07	0.646	0.518910	
## Status1625	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1636	4.500e+06	1.980e+07	0.227	0.820510	
## Status1639	6.540e+06	1.980e+07	0.330	0.741594	
## Status1652	9.560e+07	1.980e+07	4.828	3.06e-06	***
## Status1657	1.800e+07	1.980e+07	0.909	0.364657	
## Status1661	2.200e+07	1.980e+07	1.111	0.268157	
## Status1663	3.150e+07	1.980e+07	1.591	0.113539	
## Status1668	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1673	3.900e+07	1.980e+07	1.969	0.050530	.
## Status1675	2.000e+06	1.980e+07	0.101	0.919673	
## Status1685	1.300e+07	1.980e+07	0.656	0.512408	
## Status1686	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status1693	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1694	2.200e+07	1.980e+07	1.111	0.268157	
## Status1698	2.800e+07	1.980e+07	1.414	0.159208	
## Status1707	7.000e+06	1.980e+07	0.353	0.724163	
## Status1730	1.600e+07	1.980e+07	0.808	0.420239	
## Status1741	1.650e+07	1.715e+07	0.962	0.337359	
## Status1743	1.300e+07	1.980e+07	0.656	0.512408	
## Status1749	1.800e+07	1.980e+07	0.909	0.364657	
## Status1758	5.024e+06	1.980e+07	0.254	0.800033	
## Status1760	1.280e+07	1.980e+07	0.646	0.518910	
## Status1764	9.560e+07	1.980e+07	4.828	3.06e-06	***
## Status1767	9.184e+06	1.980e+07	0.464	0.643411	

## Status1769	2.000e+05	1.980e+07	0.010	0.991954	
## Status1772	3.600e+06	1.980e+07	0.182	0.855962	
## Status1781	8.589e+06	1.980e+07	0.434	0.665052	
## Status1792	3.650e+07	1.980e+07	1.843	0.067045	.
## Status1816	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status1833	1.040e+08	1.980e+07	5.252	4.46e-07	***
## Status1835	4.900e+07	1.980e+07	2.474	0.014327	*
## Status1848	5.500e+06	1.980e+07	0.278	0.781551	
## Status1849	3.025e+07	1.980e+07	1.527	0.128533	
## Status1865	2.900e+07	1.715e+07	1.691	0.092672	.
## Status1872	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status1875	1.100e+07	1.980e+07	0.555	0.579299	
## Status1886	9.654e+06	1.980e+07	0.488	0.626528	
## Status1917	1.900e+07	1.980e+07	0.959	0.338690	
## Status1930	4.150e+07	1.980e+07	2.096	0.037593	*
## Status1936	4.040e+07	1.980e+07	2.040	0.042886	*
## Status1947	2.000e+07	1.980e+07	1.010	0.313951	
## Status1950	3.600e+07	1.980e+07	1.818	0.070836	.
## Status1953	2.900e+07	1.980e+07	1.464	0.144921	
## Status1966	2.100e+07	1.980e+07	1.060	0.290442	
## Status1974	3.887e+05	1.980e+07	0.020	0.984363	
## Status1977	7.000e+06	1.980e+07	0.353	0.724163	
## Status1989	3.900e+07	1.980e+07	1.969	0.050530	.
## Status1997	5.000e+06	1.980e+07	0.252	0.800968	
## Status1999	4.040e+07	1.980e+07	2.040	0.042886	*
## Status2018	1.000e+06	1.980e+07	0.050	0.959785	
## Status2026	1.900e+07	1.980e+07	0.959	0.338690	
## Status2036	9.000e+06	1.980e+07	0.454	0.650063	
## Status2049	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status2061	1.500e+07	1.980e+07	0.757	0.449818	
## Status2063	2.297e+07	1.980e+07	1.160	0.247670	
## Status2065	-7.799e-06	1.980e+07	0.000	1.000000	
## Status2084	2.085e+07	1.980e+07	1.053	0.293890	
## Status2085	3.400e+07	1.980e+07	1.717	0.087814	.
## Status2103	2.900e+07	1.980e+07	1.464	0.144921	
## Status2117	5.900e+07	1.980e+07	2.979	0.003311	**
## Status2129	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2133	9.040e+06	1.980e+07	0.457	0.648613	
## Status2138	7.000e+06	1.980e+07	0.353	0.724163	
## Status2141	1.300e+07	1.980e+07	0.656	0.512408	
## Status2159	9.100e+07	1.980e+07	4.595	8.39e-06	***
## Status2171	3.229e+07	1.980e+07	1.631	0.104791	
## Status2172	5.943e+06	1.980e+07	0.300	0.764442	
## Status2226	4.400e+07	1.980e+07	2.222	0.027610	*
## Status2230	1.600e+07	1.980e+07	0.808	0.420239	
## Status2232	2.500e+07	1.980e+07	1.262	0.208517	
## Status2246	4.040e+07	1.980e+07	2.040	0.042886	*
## Status2248	2.711e+07	1.980e+07	1.369	0.172775	
## Status2264	3.810e+07	1.980e+07	1.924	0.056029	.
## Status2268	2.895e+07	1.980e+07	1.462	0.145611	

## Status2271	2.110e+07	1.980e+07	1.066	0.288067	
## Status2276	9.654e+06	1.980e+07	0.488	0.626528	
## Status2302	4.000e+06	1.980e+07	0.202	0.840165	
## Status2316	2.085e+07	1.980e+07	1.053	0.293890	
## Status2319	2.000e+06	1.980e+07	0.101	0.919673	
## Status2327	2.000e+06	1.980e+07	0.101	0.919673	
## Status2353	2.100e+07	1.980e+07	1.060	0.290442	
## Status2363	1.000e+06	1.980e+07	0.050	0.959785	
## Status2370	2.200e+07	1.980e+07	1.111	0.268157	
## Status2383	2.085e+07	1.980e+07	1.053	0.293890	
## Status2388	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2392	4.694e+07	1.980e+07	2.371	0.018883	*
## Status2403	4.676e+07	1.980e+07	2.361	0.019353	*
## Status2408	-8.213e-06	1.980e+07	0.000	1.000000	
## Status2411	2.000e+06	1.980e+07	0.101	0.919673	
## Status2424	1.900e+07	1.980e+07	0.959	0.338690	
## Status2427	9.100e+07	1.980e+07	4.595	8.39e-06	***
## Status2430	1.777e+06	1.980e+07	0.090	0.928588	
## Status2432	9.000e+06	1.980e+07	0.454	0.650063	
## Status2447	3.830e+07	1.980e+07	1.934	0.054790	.
## Status2455	2.563e+07	1.980e+07	1.295	0.197244	
## Status2456	4.040e+07	1.980e+07	2.040	0.042886	*
## Status2457	3.235e+07	1.980e+07	1.634	0.104192	
## Status2460	1.300e+07	1.980e+07	0.656	0.512408	
## Status2462	1.000e+06	1.980e+07	0.050	0.959785	
## Status2464	9.000e+06	1.980e+07	0.454	0.650063	
## Status2470	7.400e+07	1.980e+07	3.737	0.000254	***
## Status2478	1.663e+06	1.980e+07	0.084	0.933153	
## Status2489	9.000e+06	1.980e+07	0.454	0.650063	
## Status2499	1.408e+07	1.980e+07	0.711	0.478021	
## Status2504	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2508	3.580e+07	1.980e+07	1.808	0.072402	.
## Status2516	2.100e+07	1.980e+07	1.060	0.290442	
## Status2526	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2543	3.050e+07	1.715e+07	1.778	0.077117	.
## Status2546	4.000e+06	1.980e+07	0.202	0.840165	
## Status2556	5.400e+07	1.980e+07	2.727	0.007064	**
## Status2583	3.350e+07	1.980e+07	1.692	0.092539	.
## Status2609	1.625e+07	1.980e+07	0.821	0.413029	
## Status2612	3.400e+07	1.980e+07	1.717	0.087814	.
## Status2622	2.085e+07	1.980e+07	1.053	0.293890	
## Status2627	2.700e+07	1.980e+07	1.363	0.174546	
## Status2634	4.676e+07	1.980e+07	2.361	0.019353	*
## Status2635	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status2649	1.900e+07	1.980e+07	0.959	0.338690	
## Status2659	4.027e+06	1.980e+07	0.203	0.839101	
## Status2660	4.100e+07	1.980e+07	2.070	0.039925	*
## Status2662	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2667	1.100e+07	1.980e+07	0.555	0.579299	
## Status2670	2.700e+07	1.980e+07	1.363	0.174546	

## Status2671	5.400e+07	1.980e+07	2.727	0.007064	**
## Status2693	5.400e+07	1.980e+07	2.727	0.007064	**
## Status2699	3.113e+07	1.980e+07	1.572	0.117834	
## Status2722	4.900e+07	1.980e+07	2.474	0.014327	*
## Status2738	6.500e+06	1.980e+07	0.328	0.743137	
## Status2755	2.890e+07	1.980e+07	1.459	0.146304	
## Status2757	3.400e+07	1.980e+07	1.717	0.087814	.
## Status2767	4.650e+07	1.980e+07	2.348	0.020017	*
## Status2769	6.900e+07	1.980e+07	3.484	0.000628	***
## Status2770	2.500e+07	1.980e+07	1.262	0.208517	
## Status2772	3.600e+07	1.980e+07	1.818	0.070836	.
## Status2775	9.054e+06	1.980e+07	0.457	0.648105	
## Status2781	2.031e+07	1.980e+07	1.026	0.306579	
## Status2791	6.150e+07	1.715e+07	3.586	0.000439	***
## Status2795	6.000e+06	1.980e+07	0.303	0.762270	
## Status2811	1.000e+06	1.980e+07	0.050	0.959785	
## Status2839	4.150e+07	1.980e+07	2.096	0.037593	*
## Status2840	2.100e+07	1.980e+07	1.060	0.290442	
## Status2849	2.100e+07	1.980e+07	1.060	0.290442	
## Status2857	3.700e+07	1.980e+07	1.868	0.063424	.
## Status2887	3.700e+07	1.980e+07	1.868	0.063424	.
## Status2896	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2901	2.700e+07	1.980e+07	1.363	0.174546	
## Status2907	1.306e+07	1.980e+07	0.659	0.510595	
## Status2909	2.500e+07	1.980e+07	1.262	0.208517	
## Status2945	1.855e+07	1.980e+07	0.937	0.350223	
## Status2946	1.100e+07	1.980e+07	0.555	0.579299	
## Status2947	9.000e+06	1.980e+07	0.454	0.650063	
## Status2949	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2964	3.400e+07	1.980e+07	1.717	0.087814	.
## Status2974	3.150e+07	1.980e+07	1.591	0.113539	
## Status2995	3.900e+07	1.980e+07	1.969	0.050530	.
## Status2997	3.750e+07	1.715e+07	2.187	0.030136	*
## Status2999	3.810e+07	1.980e+07	1.924	0.056029	.
## Status3007	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status3013	5.180e+07	1.715e+07	3.021	0.002912	**
## Status3018	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status3032	1.280e+07	1.980e+07	0.646	0.518910	
## Status3037	4.000e+06	1.980e+07	0.202	0.840165	
## Status3050	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status3057	1.947e+06	1.980e+07	0.098	0.921787	
## Status3060	7.400e+07	1.980e+07	3.737	0.000254	***
## Status3095	-7.757e-06	1.980e+07	0.000	1.000000	
## Status3099	9.100e+07	1.980e+07	4.595	8.39e-06	***
## Status3109	7.000e+06	1.980e+07	0.353	0.724163	
## Status3119	1.000e+06	1.980e+07	0.050	0.959785	
## Status3122	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status3127	2.890e+07	1.980e+07	1.459	0.146304	
## Status3131	2.036e+07	1.980e+07	1.028	0.305234	
## Status3136	1.057e+07	1.980e+07	0.534	0.594116	

## Status3151	1.970e+07	1.980e+07	0.995	0.321243	
## Status3155	4.424e+07	1.980e+07	2.234	0.026775	*
## Status3158	1.855e+07	1.980e+07	0.937	0.350223	
## Status3176	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status3183	3.400e+07	1.980e+07	1.717	0.087814	.
## Status3185	7.400e+07	1.980e+07	3.737	0.000254	***
## Status3192	3.900e+07	1.980e+07	1.969	0.050530	.
## Status3193	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status3231	3.300e+07	1.980e+07	1.666	0.097469	.
## Status3254	2.895e+07	1.980e+07	1.462	0.145611	
## Status3281	6.900e+07	1.980e+07	3.484	0.000628	***
## Status3286	4.900e+07	1.980e+07	2.474	0.014327	*
## Status3299	4.298e+07	1.980e+07	2.170	0.031381	*
## Status3308	3.887e+05	1.980e+07	0.020	0.984363	
## Status3346	2.085e+07	1.980e+07	1.053	0.293890	
## Status3353	8.200e+06	1.980e+07	0.414	0.679336	
## Status3371	3.400e+07	1.980e+07	1.717	0.087814	.
## Status3377	2.164e+07	1.980e+07	1.093	0.276045	
## Status3398	3.400e+07	1.980e+07	1.717	0.087814	.
## Status3409	1.700e+07	1.980e+07	0.858	0.391845	
## Status3416	3.100e+07	1.980e+07	1.565	0.119341	
## Status3421	7.400e+07	1.980e+07	3.737	0.000254	***
## Status3422	9.000e+06	1.980e+07	0.454	0.650063	
## Status3439	2.288e+07	1.980e+07	1.155	0.249588	
## Status3472	9.000e+06	1.980e+07	0.454	0.650063	
## Status3479	7.400e+07	1.980e+07	3.737	0.000254	***
## Status3483	1.900e+07	1.980e+07	0.959	0.338690	
## Status3494	3.810e+07	1.980e+07	1.924	0.056029	.
## Status3500	3.629e+07	1.980e+07	1.833	0.068624	.
## Status3502	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status3514	1.900e+07	1.980e+07	0.959	0.338690	
## Status3521	4.650e+07	1.980e+07	2.348	0.020017	*
## Status3545	2.100e+07	1.980e+07	1.060	0.290442	
## Status3566	3.400e+07	1.980e+07	1.717	0.087814	.
## Status3568	2.500e+07	1.980e+07	1.262	0.208517	
## Status3573	2.895e+07	1.980e+07	1.462	0.145611	
## Status3594	8.640e+07	1.980e+07	4.363	2.22e-05	***
## Status3595	4.000e+06	1.980e+07	0.202	0.840165	
## Status3613	2.100e+07	1.980e+07	1.060	0.290442	
## Status3622	2.100e+07	1.980e+07	1.060	0.290442	
## Status3625	4.150e+07	1.980e+07	2.096	0.037593	*
## Status3644	2.700e+07	1.980e+07	1.363	0.174546	
## Status3652	9.560e+07	1.980e+07	4.828	3.06e-06	***
## Status3662	2.100e+07	1.980e+07	1.060	0.290442	
## Status3676	2.400e+07	1.980e+07	1.212	0.227214	
## Status3706	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status3720	3.100e+07	1.980e+07	1.565	0.119341	
## Status3737	6.900e+07	1.980e+07	3.484	0.000628	***
## Status3761	2.132e+07	1.715e+07	1.243	0.215571	
## Status3764	5.760e+07	1.980e+07	2.909	0.004117	**

## Status3768	9.000e+06	1.980e+07	0.454	0.650063	
## Status3794	1.970e+07	1.980e+07	0.995	0.321243	
## Status3796	1.100e+07	1.980e+07	0.555	0.579299	
## Status3801	4.020e+06	1.980e+07	0.203	0.839377	
## Status3852	1.498e+07	1.980e+07	0.757	0.450391	
## Status3878	2.036e+07	1.980e+07	1.028	0.305234	
## Status3892	1.900e+07	1.980e+07	0.959	0.338690	
## Status3907	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status3910	4.000e+06	1.980e+07	0.202	0.840165	
## Status3912	2.700e+07	1.980e+07	1.363	0.174546	
## Status3997	7.400e+07	1.980e+07	3.737	0.000254	***
## Status4041	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status4059	2.500e+07	1.980e+07	1.262	0.208517	
## Status4068	3.350e+07	1.980e+07	1.692	0.092539	.
## Status4086	4.650e+07	1.980e+07	2.348	0.020017	*
## Status4101	2.200e+07	1.980e+07	1.111	0.268157	
## Status4105	5.880e+07	1.980e+07	2.969	0.003417	**
## Status4132	6.400e+07	1.980e+07	3.232	0.001477	**
## Status4139	3.580e+07	1.980e+07	1.808	0.072402	.
## Status4145	3.600e+06	1.980e+07	0.182	0.855962	
## Status4172	1.094e+08	1.980e+07	5.524	1.22e-07	***
## Status4184	1.700e+07	1.980e+07	0.858	0.391845	
## Status4185	2.413e+07	1.980e+07	1.219	0.224621	
## Status4191	1.404e+07	1.980e+07	0.709	0.479169	
## Status4204	3.400e+07	1.980e+07	1.717	0.087814	.
## Status4219	5.420e+07	1.980e+07	2.737	0.006860	**
## Status4237	3.338e+07	1.980e+07	1.686	0.093665	.
## Status4255	4.900e+07	1.980e+07	2.474	0.014327	*
## Status4263	9.000e+06	1.980e+07	0.454	0.650063	
## Status4287	4.900e+07	1.980e+07	2.474	0.014327	*
## Status4292	4.424e+07	1.980e+07	2.234	0.026775	*
## Status4306	2.122e+07	1.980e+07	1.072	0.285384	
## Status4326	9.100e+07	1.980e+07	4.595	8.39e-06	***
## Status4339	3.700e+07	1.980e+07	1.868	0.063424	.
## Status4348	9.000e+06	1.980e+07	0.454	0.650063	
## Status4356	5.900e+07	1.980e+07	2.979	0.003311	**
## Status4374	2.900e+07	1.980e+07	1.464	0.144921	
## Status4409	1.496e+07	1.980e+07	0.756	0.450905	
## Status4415	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status4470	1.100e+07	1.980e+07	0.555	0.579299	
## Status4487	2.800e+07	1.980e+07	1.414	0.159208	
## Status4498	4.900e+07	1.980e+07	2.474	0.014327	*
## Status4499	2.800e+07	1.980e+07	1.414	0.159208	
## Status4512	7.400e+07	1.980e+07	3.737	0.000254	***
## Status4514	4.155e+07	1.980e+07	2.098	0.037367	*
## Status4524	3.140e+07	1.980e+07	1.586	0.114646	
## Status4588	4.000e+06	1.980e+07	0.202	0.840165	
## Status4635	9.000e+06	1.980e+07	0.454	0.650063	
## Status4695	5.900e+07	1.980e+07	2.979	0.003311	**
## Status4708	4.327e+06	1.980e+07	0.219	0.827298	

## Status4744	4.040e+07	1.980e+07	2.040	0.042886	*
## Status4754	1.510e+07	1.980e+07	0.763	0.446808	
## Status4777	4.500e+07	1.980e+07	2.272	0.024315	*
## Status4782	2.700e+07	1.980e+07	1.363	0.174546	
## Status4828	3.300e+07	1.980e+07	1.666	0.097469	.
## Status4854	4.155e+07	1.980e+07	2.098	0.037367	*
## Status4871	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status4914	2.100e+07	1.980e+07	1.060	0.290442	
## Status4920	2.700e+07	1.980e+07	1.363	0.174546	
## Status4930	4.150e+07	1.980e+07	2.096	0.037593	*
## Status4951	5.900e+07	1.980e+07	2.979	0.003311	**
## Status4955	1.590e+08	1.980e+07	8.029	1.55e-13	***
## Status4971	9.000e+06	1.980e+07	0.454	0.650063	
## Status4988	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status4996	5.400e+07	1.980e+07	2.727	0.007064	**
## Status5016	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status5036	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status5076	7.400e+07	1.980e+07	3.737	0.000254	***
## Status5077	4.700e+07	1.980e+07	2.373	0.018741	*
## Status5080	4.000e+06	1.980e+07	0.202	0.840165	
## Status5096	2.900e+07	1.980e+07	1.464	0.144921	
## Status5137	3.235e+07	1.980e+07	1.634	0.104192	
## Status5139	3.168e+07	1.980e+07	1.600	0.111556	
## Status5149	9.100e+07	1.980e+07	4.595	8.39e-06	***
## Status5160	4.150e+07	1.980e+07	2.096	0.037593	*
## Status5167	5.932e+07	1.980e+07	2.996	0.003147	**
## Status5188	4.500e+07	1.980e+07	2.272	0.024315	*
## Status5217	7.400e+07	1.980e+07	3.737	0.000254	***
## Status5229	1.764e+07	1.980e+07	0.891	0.374183	
## Status5240	1.911e+07	1.980e+07	0.965	0.335959	
## Status5281	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status5282	9.000e+06	1.980e+07	0.454	0.650063	
## Status5287	5.000e+06	1.980e+07	0.252	0.800968	
## Status5336	6.900e+07	1.980e+07	3.484	0.000628	***
## Status5347	2.700e+07	1.980e+07	1.363	0.174546	
## Status5349	5.400e+07	1.980e+07	2.727	0.007064	**
## Status5353	4.027e+06	1.980e+07	0.203	0.839101	
## Status5361	5.880e+07	1.980e+07	2.969	0.003417	**
## Status5369	4.155e+07	1.980e+07	2.098	0.037367	*
## Status5415	1.150e+07	1.715e+07	0.671	0.503408	
## Status5478	4.694e+07	1.980e+07	2.371	0.018883	*
## Status5497	3.700e+07	1.980e+07	1.868	0.063424	.
## Status5499	6.535e+07	1.715e+07	3.811	0.000193	***
## Status5638	5.880e+07	1.980e+07	2.969	0.003417	**
## Status5696	8.900e+07	1.715e+07	5.190	5.95e-07	***
## Status5744	4.650e+07	1.980e+07	2.348	0.020017	*
## Status5805	3.150e+07	1.980e+07	1.591	0.113539	
## Status5807	5.000e+07	1.980e+07	2.525	0.012489	*
## Status5816	2.500e+07	1.980e+07	1.262	0.208517	
## Status5818	1.240e+08	1.980e+07	6.262	3.01e-09	***

## Status5879	5.400e+07	1.980e+07	2.727	0.007064	**
## Status5928	3.100e+07	1.980e+07	1.565	0.119341	
## Status5961	5.400e+07	1.980e+07	2.727	0.007064	**
## Status5990	5.880e+07	1.980e+07	2.969	0.003417	**
## Status5993	7.400e+07	1.980e+07	3.737	0.000254	***
## Status6032	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status6120	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status6124	2.500e+07	1.980e+07	1.262	0.208517	
## Status6127	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status6179	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status6228	1.983e+07	1.980e+07	1.001	0.318058	
## Status6249	2.500e+07	1.980e+07	1.262	0.208517	
## Status6464	3.235e+07	1.980e+07	1.634	0.104192	
## Status6494	4.000e+06	1.980e+07	0.202	0.840165	
## Status6501	3.603e+07	1.980e+07	1.820	0.070588	.
## Status6527	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status6681	2.430e+07	1.980e+07	1.227	0.221421	
## Status6787	4.040e+07	1.980e+07	2.040	0.042886	*
## Status6812	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status6814	7.400e+07	1.980e+07	3.737	0.000254	***
## Status6916	7.400e+07	1.980e+07	3.737	0.000254	***
## Status6981	3.363e+07	1.980e+07	1.698	0.091334	.
## Status6982	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status7051	1.408e+07	1.980e+07	0.711	0.478021	
## Status7117	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status7224	4.100e+07	1.980e+07	2.070	0.039925	*
## Status7234	5.900e+07	1.980e+07	2.979	0.003311	**
## Status7285	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status7289	1.900e+07	1.980e+07	0.959	0.338690	
## Status7328	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status7338	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status7467	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status7624	7.400e+07	1.980e+07	3.737	0.000254	***
## Status7668	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status7706	5.400e+07	1.980e+07	2.727	0.007064	**
## Status7710	4.900e+07	1.980e+07	2.474	0.014327	*
## Status7753	9.000e+06	1.980e+07	0.454	0.650063	
## Status7812	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status7837	3.150e+07	1.980e+07	1.591	0.113539	
## Status7840	5.880e+07	1.980e+07	2.969	0.003417	**
## Status7853	2.200e+07	1.980e+07	1.111	0.268157	
## Status7893	2.400e+07	1.980e+07	1.212	0.227214	
## Status7997	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status8038	3.700e+07	1.980e+07	1.868	0.063424	.
## Status8048	7.900e+07	1.980e+07	3.989	9.83e-05	***
## Status8061	5.000e+06	1.980e+07	0.252	0.800968	
## Status8092	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8114	6.292e+07	1.980e+07	3.178	0.001765	**
## Status8165	5.400e+07	1.980e+07	2.727	0.007064	**
## Status8170	8.180e+07	1.980e+07	4.131	5.66e-05	***

## Status8247	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8250	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status8283	3.580e+07	1.980e+07	1.808	0.072402	.
## Status8284	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8296	3.150e+07	1.980e+07	1.591	0.113539	
## Status8328	4.786e+06	1.980e+07	0.242	0.809307	
## Status8332	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status8354	3.700e+07	1.980e+07	1.868	0.063424	.
## Status8386	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8390	3.150e+07	1.980e+07	1.591	0.113539	
## Status8404	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8484	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8505	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status8540	3.700e+07	1.980e+07	1.868	0.063424	.
## Status8631	5.000e+06	1.980e+07	0.252	0.800968	
## Status8639	2.164e+07	1.980e+07	1.093	0.276045	
## Status8958	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status9048	3.895e+07	1.980e+07	1.967	0.050809	.
## Status9091	5.880e+07	1.980e+07	2.969	0.003417	**
## Status9403	1.094e+08	1.980e+07	5.524	1.22e-07	***
## Status9527	3.400e+07	1.980e+07	1.717	0.087814	.
## Status9735	1.400e+07	1.980e+07	0.707	0.480553	
## Status9760	5.400e+07	1.980e+07	2.727	0.007064	**
## Status9843	5.880e+07	1.980e+07	2.969	0.003417	**
## Status9856	6.825e+07	1.980e+07	3.447	0.000716	***
## Status9966	1.094e+08	1.980e+07	5.524	1.22e-07	***
## Status9970	4.040e+07	1.980e+07	2.040	0.042886	*
## Status10350	5.400e+07	1.980e+07	2.727	0.007064	**
## Status10378	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status10594	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status10661	7.514e+07	1.980e+07	3.794	0.000206	***
## Status10840	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status10920	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status10995	3.168e+07	1.980e+07	1.600	0.111556	
## Status11038	6.435e+07	1.980e+07	3.250	0.001393	**
## Status11288	3.300e+07	1.980e+07	1.666	0.097469	.
## Status11387	8.180e+07	1.980e+07	4.131	5.66e-05	***
## Status11630	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status12131	9.400e+07	1.980e+07	4.747	4.37e-06	***
## Status12277	2.890e+07	1.980e+07	1.459	0.146304	
## Status12688	6.400e+07	1.980e+07	3.232	0.001477	**
## Status13850	6.400e+07	1.980e+07	3.232	0.001477	**
## Status13945	7.075e+07	1.980e+07	3.573	0.000460	***
## Status14016	1.900e+07	1.980e+07	0.959	0.338690	
## Status14022	4.900e+07	1.980e+07	2.474	0.014327	*
## Status14063	1.240e+08	1.980e+07	6.262	3.01e-09	***
## Status14377	6.400e+07	1.980e+07	3.232	0.001477	**
## Status14458	1.440e+08	1.980e+07	7.272	1.24e-11	***
## Status15057	5.400e+07	1.980e+07	2.727	0.007064	**
## Status15770	3.150e+07	1.980e+07	1.591	0.113539	


```

## Status17063  5.400e+07  1.980e+07  2.727 0.007064 **
## Status17208  5.400e+07  1.980e+07  2.727 0.007064 **
## Status18516  1.240e+08  1.980e+07  6.262 3.01e-09 ***
## Status18778  8.900e+07  1.980e+07  4.494 1.29e-05 ***
## Status19998  1.240e+08  1.980e+07  6.262 3.01e-09 ***
## Status20887  3.900e+07  1.980e+07  1.969 0.050530 .
## Status21068  1.240e+08  1.980e+07  6.262 3.01e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.4e+07 on 170 degrees of freedom
## Multiple R-squared:  0.9666, Adjusted R-squared:  0.7825
## F-statistic: 5.251 on 937 and 170 DF,  p-value: < 2.2e-16

# Perform an analysis of variance (ANOVA) to test the significance of the
relationship
anova_results <- anova(model)
print(anova_results)

## Analysis of Variance Table
##
## Response: Final.Price
##           Df      Sum Sq   Mean Sq F value    Pr(>F)
## Status    937 9.6479e+17 1.0297e+15  5.2514 < 2.2e-16 ***
## Residuals 170 3.3333e+16 1.9608e+14
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

# Plot the relationship between Status and Final Price
ggplot(data, aes(x = Status, y = Final.Price)) +
  geom_boxplot() +
  labs(x = "Status", y = "Final.Price") +
  ggtitle("Relationship between Status and Final Price")

```

Relationship between Status and Final Price

