

Krish Agarwal
21112016
2BSc DS A

R for Analytics
Final Lab Collab

Lab 1

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DS| R for Analytics

Q1) 1. Populate vectors with the register numbers of students for the courses offered by the dept. of Data Science. Note: The four courses of the dept are - MSDS, MSEA, BSDS and BSEA

Q2) The total number of students in the courses are as follows: MSDS:62 MSEA:26 BSDS:37 BSEA:45

```
seq(2100101, 2100162, by=1) -> MSDS
seq(2100201, 2100226, by=1) -> MSEA
seq(2100301, 2100337, by=1) -> BSDS
seq(2100401, 2100445, by=1) -> BSEA

print("-----")
```

```
## [1] "-----"
```

```
print("MSDS Students:")
```

```
## [1] "MSDS Students:"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
MSDS
```

```
## [1] 2100101 2100102 2100103 2100104 2100105 2100106 2100107 2100108 2100109  
## [10] 2100110 2100111 2100112 2100113 2100114 2100115 2100116 2100117 2100118  
## [19] 2100119 2100120 2100121 2100122 2100123 2100124 2100125 2100126 2100127  
## [28] 2100128 2100129 2100130 2100131 2100132 2100133 2100134 2100135 2100136  
## [37] 2100137 2100138 2100139 2100140 2100141 2100142 2100143 2100144 2100145  
## [46] 2100146 2100147 2100148 2100149 2100150 2100151 2100152 2100153 2100154  
## [55] 2100155 2100156 2100157 2100158 2100159 2100160 2100161 2100162
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] "-----"
```

```
print("MSEA Students:")
```

```
## [1] "MSEA Students:"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
MSEA
```

```
## [1] 2100201 2100202 2100203 2100204 2100205 2100206 2100207 2100208 2100209  
## [10] 2100210 2100211 2100212 2100213 2100214 2100215 2100216 2100217 2100218  
## [19] 2100219 2100220 2100221 2100222 2100223 2100224 2100225 2100226
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("BSDS Students:")
```

```
## [1] "BSDS Students:"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
BSDS
```

```
## [1] 2100301 2100302 2100303 2100304 2100305 2100306 2100307 2100308 2100309  
## [10] 2100310 2100311 2100312 2100313 2100314 2100315 2100316 2100317 2100318  
## [19] 2100319 2100320 2100321 2100322 2100323 2100324 2100325 2100326 2100327  
## [28] 2100328 2100329 2100330 2100331 2100332 2100333 2100334 2100335 2100336  
## [37] 2100337
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("BSEA Students:")
```

```
## [1] "BSEA Students:"  
  
print("-----")  
  
## [1] "-----"  
  
cat("\n")  
  
BSEA  
  
## [1] 2100401 2100402 2100403 2100404 2100405 2100406 2100407 2100408 2100409  
## [10] 2100410 2100411 2100412 2100413 2100414 2100415 2100416 2100417 2100418  
## [19] 2100419 2100420 2100421 2100422 2100423 2100424 2100425 2100426 2100427  
## [28] 2100428 2100429 2100430 2100431 2100432 2100433 2100434 2100435 2100436  
## [37] 2100437 2100438 2100439 2100440 2100441 2100442 2100443 2100444 2100445
```

Q3) The subjects for each programs are created as vectors: MSDS : (Python,Stochastic Analysis, Machine Learning, PDT) MSEA : (Microeconomics,Python,Macroeconomics,Research Methodology) BSDS:(Python,R for analytics,Statistics,Calculus) BSEA:(Statistics, Python, Calculus, Economics)

```
sub_MSDS <- c("Python", "Stochastic Analysis", "Machine Learning", "PDT")  
sub_MSEA <- c("Microeconomics", "Python", "Macroeconomics", "Research", "Methodology")  
sub_BSDS <- c("Python", "R for Analytics", "Statistics", "Calculus")  
sub_BSEA <- c("Statistics", "Python", "Calculus", "Economics")  
  
print("-----")  
  
## [1] "-----"  
  
print("MSDS Subjects:")  
  
## [1] "MSDS Subjects:"
```

```
print("-----")
## [1] "-----"
cat("\n")
sub_MSDS
## [1] "Python"          "Stochastic Analysis" "Machine Learning"
## [4] "PDT"
cat("\n")
print("-----")
## [1] "-----"
print("MSDS Subjects:")
## [1] "MSDS Subjects:"
print("-----")
## [1] "-----"
cat("\n")
sub_MSEA
```

```
## [1] "Microeconomics" "Python"           "Macroeconomics" "Research"  
## [5] "Methodology"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] "-----"
```

```
print("MSDS Subjects:")
```

```
## [1] "MSDS Subjects:"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
sub_BSDS
```

```
## [1] "Python"          "R for Analytics" "Statistics"    "Calculus"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] "-----"
```

```
print("MSDS Subjects:")
## [1] "MSDS Subjects:

print("-----")
## [1] "-----"

cat("\n")

sub_BSEA

## [1] "Statistics" "Python"      "Calculus"     "Economics"

cat("\n")
```

Q4) Assign these subjects to each students of respective classes.

```
assign_MSDS <- rep(MSDS, each = 4)
assign_MSEA <- rep(MSEA, each = 4)
assign_BSDE <- rep(BSDE, each = 4)
assign_BSEA <- rep(BSEA, each = 4)

assignf_MSDS <- paste(assign_MSDS, sub_MSDS, sep = "-")
assignf_MSEA <- paste(assign_MSEA, sub_MSEA, sep = "-")
assignf_BSDE <- paste(assign_BSDE, sub_BSDE, sep = "-")
assignf_BSEA <- paste(assign_BSEA, sub_BSEA, sep = "-")

print("-----")
## [1] "-----"
```

```
print("Subjects per Student(MSDS):")
```

```
## [1] "Subjects per Student(MSDS):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
assignf_MSDS
```

```
## [1] "2100101-Python"           "2100101-Stochastic Analysis"
## [3] "2100101-Machine Learning" "2100101-PDT"
## [5] "2100102-Python"           "2100102-Stochastic Analysis"
## [7] "2100102-Machine Learning" "2100102-PDT"
## [9] "2100103-Python"           "2100103-Stochastic Analysis"
## [11] "2100103-Machine Learning" "2100103-PDT"
## [13] "2100104-Python"           "2100104-Stochastic Analysis"
## [15] "2100104-Machine Learning" "2100104-PDT"
## [17] "2100105-Python"           "2100105-Stochastic Analysis"
## [19] "2100105-Machine Learning" "2100105-PDT"
## [21] "2100106-Python"           "2100106-Stochastic Analysis"
## [23] "2100106-Machine Learning" "2100106-PDT"
## [25] "2100107-Python"           "2100107-Stochastic Analysis"
## [27] "2100107-Machine Learning" "2100107-PDT"
## [29] "2100108-Python"           "2100108-Stochastic Analysis"
## [31] "2100108-Machine Learning" "2100108-PDT"
## [33] "2100109-Python"           "2100109-Stochastic Analysis"
## [35] "2100109-Machine Learning" "2100109-PDT"
## [37] "2100110-Python"           "2100110-Stochastic Analysis"
## [39] "2100110-Machine Learning" "2100110-PDT"
## [41] "2100111-Python"           "2100111-Stochastic Analysis"
## [43] "2100111-Machine Learning" "2100111-PDT"
## [45] "2100112-Python"           "2100112-Stochastic Analysis"
## [47] "2100112-Machine Learning" "2100112-PDT"
## [49] "2100113-Python"           "2100113-Stochastic Analysis"
## [51] "2100113-Machine Learning" "2100113-PDT"
## [53] "2100114-Python"           "2100114-Stochastic Analysis"
## [55] "2100114-Machine Learning" "2100114-PDT"
## [57] "2100115-Python"           "2100115-Stochastic Analysis"
## [59] "2100115-Machine Learning" "2100115-PDT"
## [61] "2100116-Python"           "2100116-Stochastic Analysis"
## [63] "2100116-Machine Learning" "2100116-PDT"
## [65] "2100117-Python"           "2100117-Stochastic Analysis"
## [67] "2100117-Machine Learning" "2100117-PDT"
## [69] "2100118-Python"           "2100118-Stochastic Analysis"
## [71] "2100118-Machine Learning" "2100118-PDT"
## [73] "2100119-Python"           "2100119-Stochastic Analysis"
## [75] "2100119-Machine Learning" "2100119-PDT"
## [77] "2100120-Python"           "2100120-Stochastic Analysis"
```

```
## [79] "2100120-Machine Learning"          "2100120-PDT"
## [81] "2100121-Python"                     "2100121-Stochastic Analysis"
## [83] "2100121-Machine Learning"           "2100121-PDT"
## [85] "2100122-Python"                     "2100122-Stochastic Analysis"
## [87] "2100122-Machine Learning"           "2100122-PDT"
## [89] "2100123-Python"                     "2100123-Stochastic Analysis"
## [91] "2100123-Machine Learning"           "2100123-PDT"
## [93] "2100124-Python"                     "2100124-Stochastic Analysis"
## [95] "2100124-Machine Learning"           "2100124-PDT"
## [97] "2100125-Python"                     "2100125-Stochastic Analysis"
## [99] "2100125-Machine Learning"           "2100125-PDT"
## [101] "2100126-Python"                    "2100126-Stochastic Analysis"
## [103] "2100126-Machine Learning"          "2100126-PDT"
## [105] "2100127-Python"                    "2100127-Stochastic Analysis"
## [107] "2100127-Machine Learning"          "2100127-PDT"
## [109] "2100128-Python"                    "2100128-Stochastic Analysis"
## [111] "2100128-Machine Learning"          "2100128-PDT"
## [113] "2100129-Python"                    "2100129-Stochastic Analysis"
## [115] "2100129-Machine Learning"          "2100129-PDT"
## [117] "2100130-Python"                    "2100130-Stochastic Analysis"
## [119] "2100130-Machine Learning"          "2100130-PDT"
## [121] "2100131-Python"                    "2100131-Stochastic Analysis"
## [123] "2100131-Machine Learning"          "2100131-PDT"
## [125] "2100132-Python"                    "2100132-Stochastic Analysis"
## [127] "2100132-Machine Learning"          "2100132-PDT"
## [129] "2100133-Python"                    "2100133-Stochastic Analysis"
## [131] "2100133-Machine Learning"          "2100133-PDT"
## [133] "2100134-Python"                    "2100134-Stochastic Analysis"
## [135] "2100134-Machine Learning"          "2100134-PDT"
## [137] "2100135-Python"                    "2100135-Stochastic Analysis"
## [139] "2100135-Machine Learning"          "2100135-PDT"
## [141] "2100136-Python"                    "2100136-Stochastic Analysis"
## [143] "2100136-Machine Learning"          "2100136-PDT"
## [145] "2100137-Python"                    "2100137-Stochastic Analysis"
## [147] "2100137-Machine Learning"          "2100137-PDT"
## [149] "2100138-Python"                    "2100138-Stochastic Analysis"
## [151] "2100138-Machine Learning"          "2100138-PDT"
## [153] "2100139-Python"                    "2100139-Stochastic Analysis"
## [155] "2100139-Machine Learning"          "2100139-PDT"
```

```
## [157] "2100140-Python"          "2100140-Stochastic Analysis"
## [159] "2100140-Machine Learning" "2100140-PDT"
## [161] "2100141-Python"          "2100141-Stochastic Analysis"
## [163] "2100141-Machine Learning" "2100141-PDT"
## [165] "2100142-Python"          "2100142-Stochastic Analysis"
## [167] "2100142-Machine Learning" "2100142-PDT"
## [169] "2100143-Python"          "2100143-Stochastic Analysis"
## [171] "2100143-Machine Learning" "2100143-PDT"
## [173] "2100144-Python"          "2100144-Stochastic Analysis"
## [175] "2100144-Machine Learning" "2100144-PDT"
## [177] "2100145-Python"          "2100145-Stochastic Analysis"
## [179] "2100145-Machine Learning" "2100145-PDT"
## [181] "2100146-Python"          "2100146-Stochastic Analysis"
## [183] "2100146-Machine Learning" "2100146-PDT"
## [185] "2100147-Python"          "2100147-Stochastic Analysis"
## [187] "2100147-Machine Learning" "2100147-PDT"
## [189] "2100148-Python"          "2100148-Stochastic Analysis"
## [191] "2100148-Machine Learning" "2100148-PDT"
## [193] "2100149-Python"          "2100149-Stochastic Analysis"
## [195] "2100149-Machine Learning" "2100149-PDT"
## [197] "2100150-Python"          "2100150-Stochastic Analysis"
## [199] "2100150-Machine Learning" "2100150-PDT"
## [201] "2100151-Python"          "2100151-Stochastic Analysis"
## [203] "2100151-Machine Learning" "2100151-PDT"
## [205] "2100152-Python"          "2100152-Stochastic Analysis"
## [207] "2100152-Machine Learning" "2100152-PDT"
## [209] "2100153-Python"          "2100153-Stochastic Analysis"
## [211] "2100153-Machine Learning" "2100153-PDT"
## [213] "2100154-Python"          "2100154-Stochastic Analysis"
## [215] "2100154-Machine Learning" "2100154-PDT"
## [217] "2100155-Python"          "2100155-Stochastic Analysis"
## [219] "2100155-Machine Learning" "2100155-PDT"
## [221] "2100156-Python"          "2100156-Stochastic Analysis"
## [223] "2100156-Machine Learning" "2100156-PDT"
## [225] "2100157-Python"          "2100157-Stochastic Analysis"
## [227] "2100157-Machine Learning" "2100157-PDT"
## [229] "2100158-Python"          "2100158-Stochastic Analysis"
## [231] "2100158-Machine Learning" "2100158-PDT"
## [233] "2100159-Python"          "2100159-Stochastic Analysis"
```

```
## [235] "2100159-Machine Learning"      "2100159-PDT"
## [237] "2100160-Python"                 "2100160-Stochastic Analysis"
## [239] "2100160-Machine Learning"       "2100160-PDT"
## [241] "2100161-Python"                 "2100161-Stochastic Analysis"
## [243] "2100161-Machine Learning"       "2100161-PDT"
## [245] "2100162-Python"                 "2100162-Stochastic Analysis"
## [247] "2100162-Machine Learning"       "2100162-PDT"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Subjects per Student(MSEA):")
```

```
## [1] "Subjects per Student(MSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
assignf_MSEA
```

```
## [1] "2100201-Microeconomics" "2100201-Python"          "2100201-Macroeconomics"
## [4] "2100201-Research"      "2100202-Methodology"     "2100202-Microeconomics"
## [7] "2100202-Python"        "2100202-Macroeconomics" "2100203-Research"
## [10] "2100203-Methodology"    "2100203-Microeconomics" "2100203-Python"
## [13] "2100204-Macroeconomics" "2100204-Research"       "2100204-Methodology"
## [16] "2100204-Microeconomics" "2100205-Python"         "2100205-Macroeconomics"
## [19] "2100205-Research"      "2100205-Methodology"    "2100206-Microeconomics"
## [22] "2100206-Python"        "2100206-Macroeconomics" "2100206-Research"
## [25] "2100207-Methodology"    "2100207-Microeconomics" "2100207-Python"
## [28] "2100207-Macroeconomics" "2100208-Research"       "2100208-Methodology"
## [31] "2100208-Microeconomics" "2100208-Python"         "2100209-Macroeconomics"
## [34] "2100209-Research"      "2100209-Methodology"    "2100209-Microeconomics"
## [37] "2100210-Python"        "2100210-Macroeconomics" "2100210-Research"
## [40] "2100210-Methodology"    "2100211-Microeconomics" "2100211-Python"
## [43] "2100211-Macroeconomics" "2100211-Research"       "2100212-Methodology"
## [46] "2100212-Microeconomics" "2100212-Python"         "2100212-Macroeconomics"
## [49] "2100213-Research"      "2100213-Methodology"    "2100213-Microeconomics"
## [52] "2100213-Python"        "2100214-Macroeconomics" "2100214-Research"
## [55] "2100214-Methodology"    "2100214-Microeconomics" "2100215-Python"
## [58] "2100215-Macroeconomics" "2100215-Research"       "2100215-Methodology"
## [61] "2100216-Microeconomics" "2100216-Python"         "2100216-Macroeconomics"
## [64] "2100216-Research"      "2100217-Methodology"    "2100217-Microeconomics"
## [67] "2100217-Python"        "2100217-Macroeconomics" "2100218-Research"
## [70] "2100218-Methodology"    "2100218-Microeconomics" "2100218-Python"
## [73] "2100219-Macroeconomics" "2100219-Research"       "2100219-Methodology"
## [76] "2100219-Microeconomics" "2100220-Python"         "2100220-Macroeconomics"
## [79] "2100220-Research"      "2100220-Methodology"    "2100221-Microeconomics"
## [82] "2100221-Python"        "2100221-Macroeconomics" "2100221-Research"
## [85] "2100222-Methodology"    "2100222-Microeconomics" "2100222-Python"
## [88] "2100222-Macroeconomics" "2100223-Research"       "2100223-Methodology"
## [91] "2100223-Microeconomics" "2100223-Python"         "2100224-Macroeconomics"
## [94] "2100224-Research"      "2100224-Methodology"    "2100224-Microeconomics"
## [97] "2100225-Python"        "2100225-Macroeconomics" "2100225-Research"
## [100] "2100225-Methodology"   "2100226-Microeconomics" "2100226-Python"
## [103] "2100226-Macroeconomics" "2100226-Research"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Subjects per Student(BSDS):")
```

```
## [1] "Subjects per Student(BSDS):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
assignf_BSDS
```

```
## [1] "2100301-Python"          "2100301-R for Analytics"  
## [3] "2100301-Statistics"      "2100301-Calculus"  
## [5] "2100302-Python"          "2100302-R for Analytics"  
## [7] "2100302-Statistics"      "2100302-Calculus"  
## [9] "2100303-Python"          "2100303-R for Analytics"  
## [11] "2100303-Statistics"       "2100303-Calculus"  
## [13] "2100304-Python"          "2100304-R for Analytics"  
## [15] "2100304-Statistics"       "2100304-Calculus"  
## [17] "2100305-Python"          "2100305-R for Analytics"  
## [19] "2100305-Statistics"       "2100305-Calculus"  
## [21] "2100306-Python"          "2100306-R for Analytics"  
## [23] "2100306-Statistics"       "2100306-Calculus"  
## [25] "2100307-Python"          "2100307-R for Analytics"  
## [27] "2100307-Statistics"       "2100307-Calculus"  
## [29] "2100308-Python"          "2100308-R for Analytics"  
## [31] "2100308-Statistics"       "2100308-Calculus"  
## [33] "2100309-Python"          "2100309-R for Analytics"  
## [35] "2100309-Statistics"       "2100309-Calculus"  
## [37] "2100310-Python"          "2100310-R for Analytics"  
## [39] "2100310-Statistics"       "2100310-Calculus"  
## [41] "2100311-Python"          "2100311-R for Analytics"  
## [43] "2100311-Statistics"       "2100311-Calculus"  
## [45] "2100312-Python"          "2100312-R for Analytics"  
## [47] "2100312-Statistics"       "2100312-Calculus"  
## [49] "2100313-Python"          "2100313-R for Analytics"  
## [51] "2100313-Statistics"       "2100313-Calculus"  
## [53] "2100314-Python"          "2100314-R for Analytics"  
## [55] "2100314-Statistics"       "2100314-Calculus"  
## [57] "2100315-Python"          "2100315-R for Analytics"  
## [59] "2100315-Statistics"       "2100315-Calculus"  
## [61] "2100316-Python"          "2100316-R for Analytics"  
## [63] "2100316-Statistics"       "2100316-Calculus"  
## [65] "2100317-Python"          "2100317-R for Analytics"  
## [67] "2100317-Statistics"       "2100317-Calculus"  
## [69] "2100318-Python"          "2100318-R for Analytics"  
## [71] "2100318-Statistics"       "2100318-Calculus"  
## [73] "2100319-Python"          "2100319-R for Analytics"  
## [75] "2100319-Statistics"       "2100319-Calculus"  
## [77] "2100320-Python"          "2100320-R for Analytics"
```

```
## [79] "2100320-Statistics"      "2100320-Calculus"
## [81] "2100321-Python"          "2100321-R for Analytics"
## [83] "2100321-Statistics"      "2100321-Calculus"
## [85] "2100322-Python"          "2100322-R for Analytics"
## [87] "2100322-Statistics"      "2100322-Calculus"
## [89] "2100323-Python"          "2100323-R for Analytics"
## [91] "2100323-Statistics"      "2100323-Calculus"
## [93] "2100324-Python"          "2100324-R for Analytics"
## [95] "2100324-Statistics"      "2100324-Calculus"
## [97] "2100325-Python"          "2100325-R for Analytics"
## [99] "2100325-Statistics"      "2100325-Calculus"
## [101] "2100326-Python"         "2100326-R for Analytics"
## [103] "2100326-Statistics"      "2100326-Calculus"
## [105] "2100327-Python"         "2100327-R for Analytics"
## [107] "2100327-Statistics"      "2100327-Calculus"
## [109] "2100328-Python"         "2100328-R for Analytics"
## [111] "2100328-Statistics"      "2100328-Calculus"
## [113] "2100329-Python"         "2100329-R for Analytics"
## [115] "2100329-Statistics"      "2100329-Calculus"
## [117] "2100330-Python"         "2100330-R for Analytics"
## [119] "2100330-Statistics"      "2100330-Calculus"
## [121] "2100331-Python"         "2100331-R for Analytics"
## [123] "2100331-Statistics"      "2100331-Calculus"
## [125] "2100332-Python"         "2100332-R for Analytics"
## [127] "2100332-Statistics"      "2100332-Calculus"
## [129] "2100333-Python"         "2100333-R for Analytics"
## [131] "2100333-Statistics"      "2100333-Calculus"
## [133] "2100334-Python"         "2100334-R for Analytics"
## [135] "2100334-Statistics"      "2100334-Calculus"
## [137] "2100335-Python"         "2100335-R for Analytics"
## [139] "2100335-Statistics"      "2100335-Calculus"
## [141] "2100336-Python"         "2100336-R for Analytics"
## [143] "2100336-Statistics"      "2100336-Calculus"
## [145] "2100337-Python"         "2100337-R for Analytics"
## [147] "2100337-Statistics"      "2100337-Calculus"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Subjects per Student(BSEA):")
```

```
## [1] "Subjects per Student(BSEA):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
assignf_BSEA
```

```
## [1] "2100401-Statistics" "2100401-Python"      "2100401-Calculus"
## [4] "2100401-Economics"   "2100402-Statistics" "2100402-Python"
## [7] "2100402-Calculus"    "2100402-Economics"  "2100403-Statistics"
## [10] "2100403-Python"     "2100403-Calculus"   "2100403-Economics"
## [13] "2100404-Statistics"  "2100404-Python"    "2100404-Calculus"
## [16] "2100404-Economics"  "2100405-Statistics" "2100405-Python"
## [19] "2100405-Calculus"   "2100405-Economics" "2100406-Statistics"
## [22] "2100406-Python"    "2100406-Calculus"  "2100406-Economics"
## [25] "2100407-Statistics"  "2100407-Python"   "2100407-Calculus"
## [28] "2100407-Economics"  "2100408-Statistics" "2100408-Python"
## [31] "2100408-Calculus"   "2100408-Economics" "2100409-Statistics"
## [34] "2100409-Python"     "2100409-Calculus"  "2100409-Economics"
## [37] "2100410-Statistics"  "2100410-Python"   "2100410-Calculus"
## [40] "2100410-Economics"  "2100411-Statistics" "2100411-Python"
## [43] "2100411-Calculus"   "2100411-Economics" "2100412-Statistics"
## [46] "2100412-Python"     "2100412-Calculus"  "2100412-Economics"
## [49] "2100413-Statistics"  "2100413-Python"   "2100413-Calculus"
## [52] "2100413-Economics"  "2100414-Statistics" "2100414-Python"
## [55] "2100414-Calculus"   "2100414-Economics" "2100415-Statistics"
## [58] "2100415-Python"     "2100415-Calculus"  "2100415-Economics"
## [61] "2100416-Statistics"  "2100416-Python"   "2100416-Calculus"
## [64] "2100416-Economics"  "2100417-Statistics" "2100417-Python"
## [67] "2100417-Calculus"   "2100417-Economics" "2100418-Statistics"
## [70] "2100418-Python"     "2100418-Calculus"  "2100418-Economics"
## [73] "2100419-Statistics"  "2100419-Python"   "2100419-Calculus"
## [76] "2100419-Economics"  "2100420-Statistics" "2100420-Python"
## [79] "2100420-Calculus"   "2100420-Economics" "2100421-Statistics"
## [82] "2100421-Python"     "2100421-Calculus"  "2100421-Economics"
## [85] "2100422-Statistics"  "2100422-Python"   "2100422-Calculus"
## [88] "2100422-Economics"  "2100423-Statistics" "2100423-Python"
## [91] "2100423-Calculus"   "2100423-Economics" "2100424-Statistics"
## [94] "2100424-Python"     "2100424-Calculus"  "2100424-Economics"
## [97] "2100425-Statistics"  "2100425-Python"   "2100425-Calculus"
## [100] "2100425-Economics"  "2100426-Statistics" "2100426-Python"
## [103] "2100426-Calculus"   "2100426-Economics" "2100427-Statistics"
## [106] "2100427-Python"     "2100427-Calculus"  "2100427-Economics"
## [109] "2100428-Statistics"  "2100428-Python"   "2100428-Calculus"
## [112] "2100428-Economics"  "2100429-Statistics" "2100429-Python"
## [115] "2100429-Calculus"   "2100429-Economics" "2100430-Statistics"
```

```
## [118] "2100430-Python"      "2100430-Calculus"    "2100430-Economics"
## [121] "2100431-Statistics"   "2100431-Python"     "2100431-Calculus"
## [124] "2100431-Economics"   "2100432-Statistics" "2100432-Python"
## [127] "2100432-Calculus"    "2100432-Economics" "2100433-Statistics"
## [130] "2100433-Python"      "2100433-Calculus"  "2100433-Economics"
## [133] "2100434-Statistics"   "2100434-Python"    "2100434-Calculus"
## [136] "2100434-Economics"   "2100435-Statistics" "2100435-Python"
## [139] "2100435-Calculus"    "2100435-Economics" "2100436-Statistics"
## [142] "2100436-Python"      "2100436-Calculus"  "2100436-Economics"
## [145] "2100437-Statistics"   "2100437-Python"    "2100437-Calculus"
## [148] "2100437-Economics"   "2100438-Statistics" "2100438-Python"
## [151] "2100438-Calculus"    "2100438-Economics" "2100439-Statistics"
## [154] "2100439-Python"      "2100439-Calculus"  "2100439-Economics"
## [157] "2100440-Statistics"   "2100440-Python"    "2100440-Calculus"
## [160] "2100440-Economics"   "2100441-Statistics" "2100441-Python"
## [163] "2100441-Calculus"    "2100441-Economics" "2100442-Statistics"
## [166] "2100442-Python"      "2100442-Calculus"  "2100442-Economics"
## [169] "2100443-Statistics"   "2100443-Python"    "2100443-Calculus"
## [172] "2100443-Economics"   "2100444-Statistics" "2100444-Python"
## [175] "2100444-Calculus"    "2100444-Economics" "2100445-Statistics"
## [178] "2100445-Python"      "2100445-Calculus"  "2100445-Economics"
```

```
cat("\n")
```

Q5) The Python subject in all the courses has a lab component and hence the faculty has to assign the students in each class to separate groups. MSDS has 4 groups MSEEA has 2 groups BSDS has 3 groups BSEA has 4 groups The allocation will happen for each student alternatively. For example reg 1 gets A, reg 2 gets B , reg 3 gets C and so on.

```
group_MSDS <- c("A", "B", "C", "D")
group_MSEA <- c("A", "B")
group_BSDFS <- c("A", "B", "C")
group_BSEA <- c("A", "B", "C", "D")

groupf_MSDS <- paste(MSDS, group_MSDS, sep = "-")
groupf_MSEA <- paste(MSEA, group_MSEA, sep = "-")
groupf_BSDFS <- paste(BSDFS, group_BSDFS, sep = "-")
groupf_BSEA <- paste(BSEA, group_BSEA, sep = "-")

print("-----")
```

```
## [1] -----
```

```
print("Groups for python lab (MSDS):")
```

```
## [1] "Groups for python lab (MSDS):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
groupf_MSDS
```

```
## [1] "2100101-A" "2100102-B" "2100103-C" "2100104-D" "2100105-A" "2100106-B"  
## [7] "2100107-C" "2100108-D" "2100109-A" "2100110-B" "2100111-C" "2100112-D"  
## [13] "2100113-A" "2100114-B" "2100115-C" "2100116-D" "2100117-A" "2100118-B"  
## [19] "2100119-C" "2100120-D" "2100121-A" "2100122-B" "2100123-C" "2100124-D"  
## [25] "2100125-A" "2100126-B" "2100127-C" "2100128-D" "2100129-A" "2100130-B"  
## [31] "2100131-C" "2100132-D" "2100133-A" "2100134-B" "2100135-C" "2100136-D"  
## [37] "2100137-A" "2100138-B" "2100139-C" "2100140-D" "2100141-A" "2100142-B"  
## [43] "2100143-C" "2100144-D" "2100145-A" "2100146-B" "2100147-C" "2100148-D"  
## [49] "2100149-A" "2100150-B" "2100151-C" "2100152-D" "2100153-A" "2100154-B"  
## [55] "2100155-C" "2100156-D" "2100157-A" "2100158-B" "2100159-C" "2100160-D"  
## [61] "2100161-A" "2100162-B"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Groups for python lab (MSEA):")
```

```
## [1] "Groups for python lab (MSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
groupf_MSEA
```

```
## [1] "2100201-A" "2100202-B" "2100203-A" "2100204-B" "2100205-A" "2100206-B"  
## [7] "2100207-A" "2100208-B" "2100209-A" "2100210-B" "2100211-A" "2100212-B"  
## [13] "2100213-A" "2100214-B" "2100215-A" "2100216-B" "2100217-A" "2100218-B"  
## [19] "2100219-A" "2100220-B" "2100221-A" "2100222-B" "2100223-A" "2100224-B"  
## [25] "2100225-A" "2100226-B"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Groups for python lab (BSDS):")
```

```
## [1] "Groups for python lab (BSDS):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
groupf_BSDS
```

```
## [1] "2100301-A" "2100302-B" "2100303-C" "2100304-A" "2100305-B" "2100306-C"  
## [7] "2100307-A" "2100308-B" "2100309-C" "2100310-A" "2100311-B" "2100312-C"  
## [13] "2100313-A" "2100314-B" "2100315-C" "2100316-A" "2100317-B" "2100318-C"  
## [19] "2100319-A" "2100320-B" "2100321-C" "2100322-A" "2100323-B" "2100324-C"  
## [25] "2100325-A" "2100326-B" "2100327-C" "2100328-A" "2100329-B" "2100330-C"  
## [31] "2100331-A" "2100332-B" "2100333-C" "2100334-A" "2100335-B" "2100336-C"  
## [37] "2100337-A"
```

```
cat("\n")  
  
print("-----")  
  
## [1] -----  
  
print("Groups for python lab (BSEA):")  
  
## [1] "Groups for python lab (BSEA):"  
  
print("-----")  
  
## [1] -----  
  
cat("\n")  
  
groupf_BSEA  
  
## [1] "2100401-A" "2100402-B" "2100403-C" "2100404-D" "2100405-A" "2100406-B"  
## [7] "2100407-C" "2100408-D" "2100409-A" "2100410-B" "2100411-C" "2100412-D"  
## [13] "2100413-A" "2100414-B" "2100415-C" "2100416-D" "2100417-A" "2100418-B"  
## [19] "2100419-C" "2100420-D" "2100421-A" "2100422-B" "2100423-C" "2100424-D"  
## [25] "2100425-A" "2100426-B" "2100427-C" "2100428-D" "2100429-A" "2100430-B"  
## [31] "2100431-C" "2100432-D" "2100433-A" "2100434-B" "2100435-C" "2100436-D"  
## [37] "2100437-A" "2100438-B" "2100439-C" "2100440-D" "2100441-A" "2100442-B"  
## [43] "2100443-C" "2100444-D" "2100445-A"
```

Q6) 6. The students are given marks for one of the subject out of 50: MSDS-Stochastic MSEA - Microeconomics BSDS - Python BSEA - R for Analytics Populate a vector for the marks of these subjects using a ransom sample. set the seed value to 155.

```
set.seed(155)
marks_MSDS <- sample(1:50, 62, replace = T)
marks_MSEA <- sample(1:50, 26, replace = T)
marks_BSDES <- sample(1:50, 37, replace = T)
marks_BSEA <- sample(1:50, 45, replace = T)

names(marks_MSDS) <- MSDS
print("-----")
```

```
## [1] "-----"
```

```
print("Stochastic Marks (MSDS):")
```

```
## [1] "Stochastic Marks (MSDS):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
marks_MSDS
```

```
## 2100101 2100102 2100103 2100104 2100105 2100106 2100107 2100108 2100109 2100110
##      6     14     42     42     49      2     26     34     39     50
## 2100111 2100112 2100113 2100114 2100115 2100116 2100117 2100118 2100119 2100120
##      44     15     40     39     11     21     50     25     37     11
## 2100121 2100122 2100123 2100124 2100125 2100126 2100127 2100128 2100129 2100130
##      24     14     34     39     34     14     38     15     47      6
## 2100131 2100132 2100133 2100134 2100135 2100136 2100137 2100138 2100139 2100140
##      29     30     10     12     46     32      6     34     42     23
## 2100141 2100142 2100143 2100144 2100145 2100146 2100147 2100148 2100149 2100150
##      20     18     39     35     32     17     40     32      2      4
## 2100151 2100152 2100153 2100154 2100155 2100156 2100157 2100158 2100159 2100160
##      45     23     46     10     19     27     28     13     27     21
## 2100161 2100162
##      24     16
```

```
cat("\n")
```

```
names(marks_MSEA) <- MSEA
print("-----")
```

```
## [1] "-----"
```

```
print("Microeconomics Marks (MSEA):")
```

```
## [1] "Microeconomics Marks (MSEA):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
marks_MSEA
```

```
## 2100201 2100202 2100203 2100204 2100205 2100206 2100207 2100208 2100209 2100210
##      4      35      27      26      12      26      32      11      13      42
## 2100211 2100212 2100213 2100214 2100215 2100216 2100217 2100218 2100219 2100220
##      10      3      41      9      37      32      22      9      16      48
## 2100221 2100222 2100223 2100224 2100225 2100226
##      40      35      21      17      22      32
```

```
cat("\n")
```

```
names(marks_BSDS) <- BSDS
print("-----")
```

```
## [1] -----
```

```
print("Python Marks (BSDS):")
```

```
## [1] "Python Marks (BSDS):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
marks_BSDS
```

```
## 2100301 2100302 2100303 2100304 2100305 2100306 2100307 2100308 2100309 2100310
##    21      3      3     40     26     17     10     35      7     49
## 2100311 2100312 2100313 2100314 2100315 2100316 2100317 2100318 2100319 2100320
##    2     24     39     44      3     39     25     38      9     15
## 2100321 2100322 2100323 2100324 2100325 2100326 2100327 2100328 2100329 2100330
##   45     21     28      1     13     30     15     39      6     17
## 2100331 2100332 2100333 2100334 2100335 2100336 2100337
##   14     17     15     31     20     49     21
```

```
cat("\n")
```

```
names(marks_BSEA) <- BSEA
print("-----")
```

```
## [1] -----
```

```
print("R for Analytics Marks (BSEA):")
```

```
## [1] "R for Analytics Marks (BSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
marks_BSEA
```

```
## 2100401 2100402 2100403 2100404 2100405 2100406 2100407 2100408 2100409 2100410
##     34      43      35      8     25     37     20      6      5     20
## 2100411 2100412 2100413 2100414 2100415 2100416 2100417 2100418 2100419 2100420
##     14      23      1     50     37     14      4     33     20     35
## 2100421 2100422 2100423 2100424 2100425 2100426 2100427 2100428 2100429 2100430
##     13      15     34     22     49      4     37     16     41     46
## 2100431 2100432 2100433 2100434 2100435 2100436 2100437 2100438 2100439 2100440
##     26      37     15      9     21     12     32     34     27      4
## 2100441 2100442 2100443 2100444 2100445
##     24      29     10     25     35
```

Q7) As few students have not appeared for exams, consider the marks to be NA. The reg numbers who missed the exams are- MSDS:
12,13,18,23 MSE: 13,8 BSDS:10,20,37 BSEA:17,19

```
marks_MSDS[c(12, 13, 18, 23)] <- NA
marks_MSE[c(13, 18)] <- NA
marks_BSDS[c(10, 20, 37)] <- NA
marks_BSEA[c(17, 19)] <- NA

print("-----")
```

```
## [1] "-----"
```

```
print("Stochastic Marks (MSDS):")
```

```
## [1] "Stochastic Marks (MSDS):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
marks_MSDS
```

```
## 2100101 2100102 2100103 2100104 2100105 2100106 2100107 2100108 2100109 2100110
##      6     14     42     42     49      2     26     34     39     50
## 2100111 2100112 2100113 2100114 2100115 2100116 2100117 2100118 2100119 2100120
##     44     NA     NA     39     11     21     50     NA     37     11
## 2100121 2100122 2100123 2100124 2100125 2100126 2100127 2100128 2100129 2100130
##     24     14     NA     39     34     14     38     15     47      6
## 2100131 2100132 2100133 2100134 2100135 2100136 2100137 2100138 2100139 2100140
##     29     30     10     12     46     32      6     34     42     23
## 2100141 2100142 2100143 2100144 2100145 2100146 2100147 2100148 2100149 2100150
##     20     18     39     35     32     17     40     32      2      4
## 2100151 2100152 2100153 2100154 2100155 2100156 2100157 2100158 2100159 2100160
##     45     23     46     10     19     27     28     13     27     21
## 2100161 2100162
##     24     16
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Microeconomics Marks (MSEA):")
```

```
## [1] "Microeconomics Marks (MSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
marks_MSEA
```

```
## 2100201 2100202 2100203 2100204 2100205 2100206 2100207 2100208 2100209 2100210  
##     4      35      27      26      12      26      32      11      13      42  
## 2100211 2100212 2100213 2100214 2100215 2100216 2100217 2100218 2100219 2100220  
##     10      3     NA      9     37     32     22     NA     16     48  
## 2100221 2100222 2100223 2100224 2100225 2100226  
##     40      35      21      17      22      32
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Python Marks (BSDS):")
```

```
## [1] "Python Marks (BSDS):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
marks_BSDS
```

```
## 2100301 2100302 2100303 2100304 2100305 2100306 2100307 2100308 2100309 2100310
##    21      3      3     40     26     17     10     35      7    NA
## 2100311 2100312 2100313 2100314 2100315 2100316 2100317 2100318 2100319 2100320
##    2     24     39     44      3     39     25     38      9    NA
## 2100321 2100322 2100323 2100324 2100325 2100326 2100327 2100328 2100329 2100330
##   45     21     28      1     13     30     15     39      6    17
## 2100331 2100332 2100333 2100334 2100335 2100336 2100337
##   14     17     15     31     20     49    NA
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("R for Analytics Marks (BSEA):")
```

```
## [1] "R for Analytics Marks (BSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
marks_BSEA
```

```
## 2100401 2100402 2100403 2100404 2100405 2100406 2100407 2100408 2100409 2100410
##     34      43      35      8     25     37     20      6      5     20
## 2100411 2100412 2100413 2100414 2100415 2100416 2100417 2100418 2100419 2100420
##     14      23      1     50     37     14     NA     33     NA     35
## 2100421 2100422 2100423 2100424 2100425 2100426 2100427 2100428 2100429 2100430
##     13      15     34     22     49      4     37     16     41     46
## 2100431 2100432 2100433 2100434 2100435 2100436 2100437 2100438 2100439 2100440
##     26      37     15      9     21     12     32     34     27      4
## 2100441 2100442 2100443 2100444 2100445
##     24      29     10     25     35
```

Q8) Create a vector that has marks of the students who appeared for the exams for all the programmes.

```
appeared_MSDS <- marks_MSDS[!is.na(marks_MSDS)]
appeared_MSEA <- marks_MSEA[!is.na(marks_MSEA)]
appeared_BSDS <- marks_BSDS[!is.na(marks_BSDS)]
appeared_BSEA <- marks_BSEA[!is.na(marks_BSEA)]

print("-----")
```

```
## [1] -----"
```

```
print("Stochastic Marks of presentees (MSDS):")
```

```
## [1] "Stochastic Marks of presentees (MSDS):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
appeared_MSDS
```

```
## 2100101 2100102 2100103 2100104 2100105 2100106 2100107 2100108 2100109 2100110
##   6     14     42     42     49      2     26     34     39     50
## 2100111 2100114 2100115 2100116 2100117 2100119 2100120 2100121 2100122 2100124
##   44     39     11     21     50     37     11     24     14     39
## 2100125 2100126 2100127 2100128 2100129 2100130 2100131 2100132 2100133 2100134
##   34     14     38     15     47      6     29     30     10     12
## 2100135 2100136 2100137 2100138 2100139 2100140 2100141 2100142 2100143 2100144
##   46     32      6     34     42     23     20     18     39     35
## 2100145 2100146 2100147 2100148 2100149 2100150 2100151 2100152 2100153 2100154
##   32     17     40     32      2      4     45     23     46     10
## 2100155 2100156 2100157 2100158 2100159 2100160 2100161 2100162
##   19     27     28     13     27     21     24     16
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Stochastic Marks of presentees (MSEA):")
```

```
## [1] "Stochastic Marks of presentees (MSEA):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
appeared_MSEA
```

```
## 2100201 2100202 2100203 2100204 2100205 2100206 2100207 2100208 2100209 2100210
##     4      35      27      26      12      26      32      11      13      42
## 2100211 2100212 2100214 2100215 2100216 2100217 2100219 2100220 2100221 2100222
##     10      3      9      37      32      22      16      48      40      35
## 2100223 2100224 2100225 2100226
##     21      17      22      32
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Stochastic Marks of presentees (BSDS):")
```

```
## [1] "Stochastic Marks of presentees (BSDS):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
appeared_BSDS
```

```
## 2100301 2100302 2100303 2100304 2100305 2100306 2100307 2100308 2100309 2100311  
##      21       3       3      40      26      17      10      35       7       2  
## 2100312 2100313 2100314 2100315 2100316 2100317 2100318 2100319 2100321 2100322  
##      24      39      44       3      39      25      38       9      45      21  
## 2100323 2100324 2100325 2100326 2100327 2100328 2100329 2100330 2100331 2100332  
##      28       1      13      30      15      39       6      17      14      17  
## 2100333 2100334 2100335 2100336  
##      15      31      20      49
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Stochastic Marks of presentees (BSEA):")
```

```
## [1] "Stochastic Marks of presentees (BSEA):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
appeared_BSEA
```

```
## 2100401 2100402 2100403 2100404 2100405 2100406 2100407 2100408 2100409 2100410
##     34      43      35      8      25      37      20      6      5      20
## 2100411 2100412 2100413 2100414 2100415 2100416 2100418 2100420 2100421 2100422
##     14      23      1     50      37     14     33     35     13     15
## 2100423 2100424 2100425 2100426 2100427 2100428 2100429 2100430 2100431 2100432
##     34      22      48      4     37     16     41     46     26     37
## 2100433 2100434 2100435 2100436 2100437 2100438 2100439 2100440 2100441 2100442
##     15      9     21     12     32     34     27     4     24     29
## 2100443 2100444 2100445
##     10     25     35
```

Q9) Create and populate four separate vectors that has groups of python for all the programmes. convert this into factor variable.

```
python_MSDS <- c("A", "B", "C", "D")
pythonf_MSDS <- as.factor(python_MSDS)
arrMSDS <- array(pythonf_MSDS, dim = c(62))
```

```
python_MSEA <- c("A", "B", "C", "D")
pythonf_MSEA <- as.factor(python_MSEA)
arrMSEA <- array(pythonf_MSEA, dim = c(26))
```

```
python_BSDS <- c("A", "B", "C", "D")
pythonf_BSDS <- as.factor(python_BSDS)
arrBSDS <- array(pythonf_BSDS, dim = c(37))
```

```
python_BSEA <- c("A", "B", "C", "D")
pythonf_BSEA <- as.factor(python_BSEA)
arrBSEA <- array(pythonf_BSEA, dim = c(45))
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Groups for Python (MSDS):")
```

```
## [1] "Groups for Python (MSDS):"
```

```
print("-----")
```

```
## [1] -----"
```

```
cat("\n")
```

```
pythonf_MSDS
```

```
## [1] A B c D
## Levels: A B c D
```

```
arrMSDS
```

```
## [1] "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c"
## [20] "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B"
## [39] "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A"
## [58] "B" "c" "D" "A" "B"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----"
```

```
print("Groups for Python (MSEA):")
```

```
## [1] "Groups for Python (MSEA):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
pythonf_MSEA
```

```
## [1] A B c D  
## Levels: A B c D
```

```
arrMSEA
```

```
## [1] "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c"  
## [20] "D" "A" "B" "c" "D" "A" "B"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] "-----"
```

```
print("Groups for Python (BSDS):")
```

```
## [1] "Groups for Python (BSDS):"
```

```
print("-----")
```

```
## [1] "-----"
```

```
cat("\n")
```

```
pythonf_BSDE
```

```
## [1] A B c D  
## Levels: A B c D
```

```
arrBSDE
```

```
## [1] "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c"  
## [20] "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A"
```

```
cat("\n")
```

```
print("-----")
```

```
## [1] -----
```

```
print("Groups for Python (BSEA):")
```

```
## [1] "Groups for Python (BSEA):"
```

```
print("-----")
```

```
## [1] -----
```

```
cat("\n")
```

```
pythonf_BSEA
```

```
## [1] A B c D  
## Levels: A B c D
```

```
arrBSEA
```

```
## [1] "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c"  
## [20] "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B" "c" "D" "A" "B"  
## [39] "c" "D" "A" "B" "c" "D" "A"
```

```
cat("\n")
```

Q10) Calcute the mean of each group for the subject python in all the courses.

```
marksf_MSDS <-sample(1:50,62,replace=T)  
marksf_MSEA <-sample(1:50,26,replace=T)  
marksf_BSDE <-sample(1:50,37,replace=T)  
marksf_BSEA <-sample(1:50,45,replace=T)
```

```
mean1 <- tapply(marksf_MSDS, arrMSDS, mean)  
mean2 <- tapply(marksf_MSEA, arrMSEA, mean)  
mean3 <- tapply(marksf_BSDE, arrBSDE, mean)  
mean4 <- tapply(marksf_BSEA, arrBSEA, mean)
```

```
mean1
```

```
##      A        B        C        D  
## 19.43750 25.18750 29.73333 21.06667
```

```
mean2
```

```
##      A        B        C        D  
## 26.28571 28.00000 25.66667 26.50000
```

```
mean3
```

```
##      A      B      C      D
## 30.70000 39.55556 26.66667 25.66667
```

```
mean4
```

```
##      A      B      C      D
## 22.25000 26.45455 20.54545 30.00000
```

Lab 1
Krish Agarwal| 21112016|
2BSc DS| R for Analytics

Q1) Assume that we have registered the height and weight for four people: Heights in cm are 180, 165, 160, 193; weights in kg are 87, 58, 65, 100. Make two vectors, height and weight, with the data. The bodymass index (BMI) is defined as

- a. weight in kg / (height in m)²
- b. Make a vector with the BMI values for the four people.
- c. Finally make a vector with the weights for those people who have a BMI larger than 25.

```
#Creating 3 vectors for each - height(in cm), weight(in kgs), heightm(in cms)
height <- c(180, 165, 160, 193)
weight <- c(87, 58, 65, 100)
heightm <- height/100
```

```
#Creating a BMI vector
bmi <- weight/(heightm)^2
bmi
```

```
## [1] 26.85185 21.30395 25.39062 26.84636
```

```
cat("\n")
```

```
#Displaying BMI of people greater than 25 via indexing
bmi[bmi>25]
```

```
## [1] 26.85185 25.39062 26.84636
```

Q2) Create a list of 50 employees with IDs. There are three categories of the employees. The IDs can be used to identify the levels. [Please note there should be atleast 10 employees in each category.] The pattern of the ids are: 200xx - Senior Manager 210xx - Jr Manager 220xx - Team Lead

```
#Creating 3 list of categorized employees
senior_manager <- seq(length = 15, from = 20000)
jr_manager <- seq(length = 15, from = 21000)
team_lead <- seq(length = 20, from = 22000)
```

```
#Concatenating the 3 lists into 1
empf <- c(senior_manager, jr_manager, team_lead)
print("Employees:")
```

```
## [1] "Employees:"
```

```
cat("-----\n")
```

```
## -----
```

```
empf
```

```
## [1] 20000 20001 20002 20003 20004 20005 20006 20007 20008 20009 20010 20011  
## [13] 20012 20013 20014 21000 21001 21002 21003 21004 21005 21006 21007 21008  
## [25] 21009 21010 21011 21012 21013 21014 22000 22001 22002 22003 22004 22005  
## [37] 22006 22007 22008 22009 22010 22011 22012 22013 22014 22015 22016 22017  
## [49] 22018 22019
```

Q3) Create a separate vector that holds the gender type of these 50 employees.

```
#Setting a seed value so the value does not change every time the chunk is executed  
set.seed(155)
```

```
#creating a vector holding the values as "M" and "F"  
gender <- c("M", "F")
```

```
#Creating 50 random M/F values  
genderf <- sample(gender, 50, replace = T)  
genderf
```

```
## [1] "F" "F" "F" "M" "F" "M" "F" "F" "F" "F" "M" "F" "F" "M" "F" "M" "F" "M" "M"  
## [20] "M" "M" "F" "M" "M" "M" "F" "F" "F" "M" "M" "F" "F" "M" "F" "M" "M" "M" "M"  
## [39] "M" "F" "F" "F" "F" "F" "M" "F" "F" "F" "F" "F" "F" "F"
```

```
cat("\n")
```

```
#Assigning the genders to the employees  
genderF <- genderf  
names(genderF) <- empf  
print("Gender of all the employees:")
```

```
## [1] "Gender of all the employees:"
```

```
cat("-----\n")
```

```
## -----
```

```
genderF
```

```
## 20000 20001 20002 20003 20004 20005 20006 20007 20008 20009 20010 20011 20012  
## "F" "F" "F" "M" "F" "M" "F" "F" "F" "F" "M" "F" "F" "M" "F"  
## 20013 20014 21000 21001 21002 21003 21004 21005 21006 21007 21008 21009 21010  
## "F" "F" "M" "F" "M" "M" "M" "M" "F" "M" "M" "M" "F"  
## 21011 21012 21013 21014 22000 22001 22002 22003 22004 22005 22006 22007 22008  
## "F" "F" "M" "M" "F" "F" "M" "F" "M" "M" "F" "M"  
## 22009 22010 22011 22012 22013 22014 22015 22016 22017 22018 22019  
## "F" "F" "F" "F" "F" "M" "F" "F" "F" "F"
```

Q4) Group the employees as male or female and count the number of male and female employees. Also, Find the male:female ratio.

```

#Grouping of male employees via indexing
print("Male Employees:")

## [1] "Male Employees"

cat("-----\n")

## -----


gender_male <- genderF[genderF=="M"]
gender_male

## 20003 20005 20011 21000 21002 21003 21004 21005 21007 21008 21009 21013 21014
##    "M"    "M"
## 22002 22004 22005 22006 22008 22015
##    "M"    "M"    "M"    "M"    "M"    "M"

cat("\n")

#Grouping of female employees via indexing
print("Female Employees:")

## [1] "Female Employees"

cat("-----\n")

## -----


gender_female <- genderF[genderF=="F"]
gender_female

## 20000 20001 20002 20004 20006 20007 20008 20009 20010 20012 20013 20014 21001
##    "F"    "F"
## 21006 21010 21011 21012 22000 22001 22003 22007 22009 22010 22011 22012 22013
##    "F"    "F"
## 22014 22016 22017 22018 22019
##    "F"    "F"    "F"    "F"    "F"

```

Q5) Create a vector that holds the value of salary of each employees.

```

#Setting a seed value so the value does not change every time the chunk is executed
set.seed(155)

#Creating 50 random salary values
salary <- c(40000:100000)
salaryf <- sample(salary, 50, replace = T)
salaryf

```

```

## [1] 68429 89720 61552 76595 74713 52198 70463 94158 75238 52884 69937 54500
## [13] 69591 53729 91764 68045 97957 55598 91333 73885 68553 75117 82230 98949
## [25] 40233 47955 99814 99234 46736 50783 81859 78188 59922 62068 77466 55797
## [37] 68186 97687 68346 41464 80195 66074 67083 90463 55593 76482 58741 98084
## [49] 83615 97928

cat("\n")

#Assigning the salaries to the employees
salaryF <- salaryf
names(salaryF) <- empf
print("Salaries of Employees:")

## [1] "Salaries of Employees:"

cat("-----\n")

## -----
salaryF

## 20000 20001 20002 20003 20004 20005 20006 20007 20008 20009 20010 20011 20012
## 68429 89720 61552 76595 74713 52198 70463 94158 75238 52884 69937 54500 69591
## 20013 20014 21000 21001 21002 21003 21004 21005 21006 21007 21008 21009 21010
## 53729 91764 68045 97957 55598 91333 73885 68553 75117 82230 98949 40233 47955
## 21011 21012 21013 21014 22000 22001 22002 22003 22004 22005 22006 22007 22008
## 99814 99234 46736 50783 81859 78188 59922 62068 77466 55797 68186 97687 68346
## 22009 22010 22011 22012 22013 22014 22015 22016 22017 22018 22019
## 41464 80195 66074 67083 90463 55593 76482 58741 98084 83615 97928

```

Q6) Find the average pay of employees gender wise.

```

avg_pay <- tapply(salaryf, genderf, mean)
print("Average Pay of employees gender-wise:")

```

```
## [1] "Average Pay of employees gender-wise:"
```

```
cat("-----\n")
```

```
## -----
```

```
avg_pay
```

```

##          F          M
## 75848.29 66623.00

```

Q7) The employees were rated out of 10 for their service by the company. The review was taken from the peers. Create a vector that store the ratings of this review.

```

#Setting a seed value so the value doesnot change every time the chunk is executed
set.seed(200)

#Creating 50 random rating values
ratings <- c(1:10)
ratingsf <- sample(ratings, 50, replace = T)
ratingsf

## [1] 6 2 8 7 5 10 2 6 8 8 4 6 8 4 6 6 7 6 3 3 5 1 6 6 8 7
## [26] 8 2 9 6 4 6 4 3 4 3 5 8 5 6 2 6 8 6 9 1 5 6 3 9 4

cat("\n")

#Assigning the ratings to the employees
ratingsF <- ratingsf
names(ratingsF) <- empf
print("Employee Ratings:")

## [1] "Employee Ratings:"

cat("-----\n")

## ----

ratingsF

## 20000 20001 20002 20003 20004 20005 20006 20007 20008 20009 20010 20011 20012
##       6      2      8      7      5     10      2      6      8      8      4      6      8
## 20013 20014 21000 21001 21002 21003 21004 21005 21006 21007 21008 21009 21010
##       4      6      6      7      6      3      3      5      1      6      8      7      8
## 21011 21012 21013 21014 22000 22001 22002 22003 22004 22005 22006 22007 22008
##       2      9      6      4      6      4      3      4      3      5      8      5      6
## 22009 22010 22011 22012 22013 22014 22015 22016 22017 22018 22019
##       2      6      8      6      9      1      5      6      3      9      4

```

Q8) As the employees 21010,20012,22008,21004,20007,22010 were new, the ratings for these employees were kept as NA.

```

#Converting the ratings of the new employees to NA
ratingsF[c(26, 13, 39, 20, 8, 41)] <- NA

print("New Employee Ratings:")

## [1] "New Employee Ratings:"

cat("-----\n")

## -----

```

```
ratingsF
```

```
## 20000 20001 20002 20003 20004 20005 20006 20007 20008 20009 20010 20011 20012
##     6      2      8      7      5     10      2     NA      8      8      4      6      NA
## 20013 20014 21000 21001 21002 21003 21004 21005 21006 21007 21008 21009 21010
##     4      6      6      7      6      3     NA      5      1      6      8      7      NA
## 21011 21012 21013 21014 22000 22001 22002 22003 22004 22005 22006 22007 22008
##     2      9      6      4      6      4      3      4      3      5      8      5      NA
## 22009 22010 22011 22012 22013 22014 22015 22016 22017 22018 22019
##     2     NA      8      6      9      1      5      6      3      9      4
```

Q9) Count the number of employees who were eligible for the ratings.

```
#Complementing the is.na function as to returning all the FALSE value which implies the ratings
print("Employees eligible for ratings:")
```

```
## [1] "Employees eligible for ratings:"
```

```
cat("-----\n")
```

```
## -----
```

```
#Non-NA values assigned to a variable
non_na <- ratingsF[!is.na(ratingsF)]
length(non_na)
```

```
## [1] 44
```

Q10) Count the number of employees who got ratings above 7.0 and less than 5.0

```
#Ratings above 7
print("Number of employees with rating above 7:")
```

```
## [1] "Number of employees with rating above 7:"
```

```
cat("-----\n")
```

```
## -----
```

```
above_seven <- non_na[non_na>7]
length(above_seven)
```

```
## [1] 10
```

```
cat("\n\n")
```

```
#Ratings below 5
print("Number of employees with rating below 5:")
```

```
## [1] "Number of employees with rating below 5:"
```

```
cat("-----\n")
```

```
## -----
```

```
below_five <- non_na[non_na<5]
length(below_five)
```

```
## [1] 16
```

Name: Krish Agarwal
Registration Number: 21112016
Class: 2BSc DS A
R for Analytics
Lab 3

Q1)

```
zeroes <- rep(0, times = 40)
Student_report <- matrix(zeroes, nrow = 40, ncol = 5)
Student_report
```

```
##      [,1] [,2] [,3] [,4] [,5]
## [1,]     0     0     0     0     0
## [2,]     0     0     0     0     0
## [3,]     0     0     0     0     0
## [4,]     0     0     0     0     0
## [5,]     0     0     0     0     0
## [6,]     0     0     0     0     0
## [7,]     0     0     0     0     0
## [8,]     0     0     0     0     0
## [9,]     0     0     0     0     0
## [10,]    0     0     0     0     0
## [11,]    0     0     0     0     0
## [12,]    0     0     0     0     0
## [13,]    0     0     0     0     0
## [14,]    0     0     0     0     0
## [15,]    0     0     0     0     0
## [16,]    0     0     0     0     0
## [17,]    0     0     0     0     0
## [18,]    0     0     0     0     0
## [19,]    0     0     0     0     0
## [20,]    0     0     0     0     0
## [21,]    0     0     0     0     0
## [22,]    0     0     0     0     0
## [23,]    0     0     0     0     0
## [24,]    0     0     0     0     0
## [25,]    0     0     0     0     0
## [26,]    0     0     0     0     0
## [27,]    0     0     0     0     0
## [28,]    0     0     0     0     0
## [29,]    0     0     0     0     0
## [30,]    0     0     0     0     0
## [31,]    0     0     0     0     0
## [32,]    0     0     0     0     0
## [33,]    0     0     0     0     0
## [34,]    0     0     0     0     0
## [35,]    0     0     0     0     0
## [36,]    0     0     0     0     0
## [37,]    0     0     0     0     0
## [38,]    0     0     0     0     0
## [39,]    0     0     0     0     0
```

```
## [40,]    0    0    0    0    0
```

Q2)

```
set.seed(25)
reg_vec <- seq(from = 2201001, to = 2201050)
registration_numbers <- sample(reg_vec, 40)
```

Q3)

```
set.seed(25)
class_vec <- seq(from = 160, to = 380)

classes <- sample(class_vec, 40, replace = T)
```

Q4)

```
att_vec <- (classes/380)*100
Attendance <- array(att_vec)
```

Q5)

```
set.seed(25)

bucket1 <- c("Python", "R", "Java")
bucket2 <- c("Stochastic", "IoT", "Econometrics")

bucket1f <- sample(bucket1, 40, replace = T)
bucket2f <- sample(bucket2, 40, replace = T)
```

Q6)

```
dummy_matrix <- matrix(c(registration_numbers, classes, Attendance, bucket1f, bucket2f), nrow = 40, nco
Student_report <- dummy_matrix
Student_report
```

```
##      [,1]     [,2]     [,3]      [,4]     [,5]
## [1,] "2201007" "294" "77.3684210526316" "Java"   "IoT"
## [2,] "2201029" "380" "100"                 "Python"  "Stochastic"
## [3,] "2201024" "183" "48.1578947368421" "Python"  "IoT"
## [4,] "2201025" "347" "91.3157894736842" "Python"  "Econometrics"
## [5,] "2201008" "376" "98.9473684210526" "Python"  "Econometrics"
## [6,] "2201041" "208" "54.7368421052632" "R"       "Econometrics"
## [7,] "2201026" "231" "60.7894736842105" "Java"   "Stochastic"
## [8,] "2201016" "264" "69.4736842105263" "R"       "IoT"
## [9,] "2201036" "185" "48.6842105263158" "Python"  "Econometrics"
## [10,] "2201001" "218" "57.3684210526316" "Java"   "Econometrics"
## [11,] "2201046" "175" "46.0526315789474" "Python"  "IoT"
## [12,] "2201003" "259" "68.1578947368421" "R"       "Econometrics"
## [13,] "2201048" "352" "92.6315789473684" "Java"   "IoT"
## [14,] "2201034" "167" "43.9473684210526" "Java"   "IoT"
```

```

## [15,] "2201047" "354" "93.1578947368421" "Python" "Econometrics"
## [16,] "2201011" "200" "52.6315789473684" "Python" "IoT"
## [17,] "2201049" "267" "70.2631578947368" "R"      "Stochastic"
## [18,] "2201005" "183" "48.1578947368421" "Python" "Econometrics"
## [19,] "2201039" "345" "90.7894736842105" "Java"   "Stochastic"
## [20,] "2201033" "266" "70"                  "Python" "IoT"
## [21,] "2201030" "270" "71.0526315789474" "Python" "Stochastic"
## [22,] "2201037" "340" "89.4736842105263" "Python" "Econometrics"
## [23,] "2201004" "280" "73.6842105263158" "Python" "Econometrics"
## [24,] "2201013" "343" "90.2631578947368" "Java"   "IoT"
## [25,] "2201028" "312" "82.1052631578947" "Python" "Stochastic"
## [26,] "2201040" "362" "95.2631578947368" "R"      "Econometrics"
## [27,] "2201032" "271" "71.3157894736842" "Python" "Stochastic"
## [28,] "2201012" "348" "91.5789473684211" "Python" "IoT"
## [29,] "2201014" "264" "69.4736842105263" "Python" "IoT"
## [30,] "2201017" "316" "83.1578947368421" "Java"   "Econometrics"
## [31,] "2201023" "164" "43.1578947368421" "R"      "Econometrics"
## [32,] "2201009" "162" "42.6315789473684" "R"      "Stochastic"
## [33,] "2201018" "260" "68.4210526315789" "Java"   "Econometrics"
## [34,] "2201043" "253" "66.5789473684211" "Python" "Stochastic"
## [35,] "2201019" "348" "91.5789473684211" "Python" "IoT"
## [36,] "2201022" "163" "42.8947368421053" "Python" "Stochastic"
## [37,] "2201020" "332" "87.3684210526316" "R"      "IoT"
## [38,] "2201042" "188" "49.4736842105263" "Python" "Econometrics"
## [39,] "2201021" "291" "76.5789473684211" "R"      "IoT"
## [40,] "2201002" "199" "52.3684210526316" "Python" "Econometrics"

```

Q7)

```
row_name <- paste("Student", 1:40, sep = "_")
rownames(Student_report) <- row_name
```

Q8)

```
penalty <- (100 - Attendance)*180
```

```
cbind(Student_report, penalty) -> Student_report
```

```
colnames(Student_report) <- c("Registration Nums
```

Student_report

```

##           Registration Nums Classes Attended Attendance          Elective 1
## Student_1 "2201007"      "294"    "77.3684210526316" "Java"
## Student_2 "2201029"      "380"    "100"      "Python"
## Student_3 "2201024"      "183"    "48.1578947368421" "Python"
## Student_4 "2201025"      "347"    "91.3157894736842" "Python"
## Student_5 "2201008"      "376"    "98.9473684210526" "Python"
## Student_6 "2201041"      "208"    "54.7368421052632" "R"
## Student_7 "2201026"      "231"    "60.7894736842105" "Java"
## Student_8 "2201016"      "264"    "69.4736842105263" "R"
## Student_9 "2201036"      "185"    "48.6842105263158" "Python"
## Student_10 "2201001"     "218"    "57.3684210526316" "Java"

```

```

## Student_11 "2201046"      "175"          "46.0526315789474" "Python"
## Student_12 "2201003"      "259"          "68.1578947368421" "R"
## Student_13 "2201048"      "352"          "92.6315789473684" "Java"
## Student_14 "2201034"      "167"          "43.9473684210526" "Java"
## Student_15 "2201047"      "354"          "93.1578947368421" "Python"
## Student_16 "2201011"      "200"          "52.6315789473684" "Python"
## Student_17 "2201049"      "267"          "70.2631578947368" "R"
## Student_18 "2201005"      "183"          "48.1578947368421" "Python"
## Student_19 "2201039"      "345"          "90.7894736842105" "Java"
## Student_20 "2201033"      "266"          "70"              "Python"
## Student_21 "2201030"      "270"          "71.0526315789474" "Python"
## Student_22 "2201037"      "340"          "89.4736842105263" "Python"
## Student_23 "2201004"      "280"          "73.6842105263158" "Python"
## Student_24 "2201013"      "343"          "90.2631578947368" "Java"
## Student_25 "2201028"      "312"          "82.1052631578947" "Python"
## Student_26 "2201040"      "362"          "95.2631578947368" "R"
## Student_27 "2201032"      "271"          "71.3157894736842" "Python"
## Student_28 "2201012"      "348"          "91.5789473684211" "Python"
## Student_29 "2201014"      "264"          "69.4736842105263" "Python"
## Student_30 "2201017"      "316"          "83.1578947368421" "Java"
## Student_31 "2201023"      "164"          "43.1578947368421" "R"
## Student_32 "2201009"      "162"          "42.6315789473684" "R"
## Student_33 "2201018"      "260"          "68.4210526315789" "Java"
## Student_34 "2201043"      "253"          "66.5789473684211" "Python"
## Student_35 "2201019"      "348"          "91.5789473684211" "Python"
## Student_36 "2201022"      "163"          "42.8947368421053" "Python"
## Student_37 "2201020"      "332"          "87.3684210526316" "R"
## Student_38 "2201042"      "188"          "49.4736842105263" "Python"
## Student_39 "2201021"      "291"          "76.5789473684211" "R"
## Student_40 "2201002"      "199"          "52.3684210526316" "Python"

##           Elective 2    Penalty
## Student_1  "IoT"        "4073.68421052632"
## Student_2  "Stochastic" "0"
## Student_3  "IoT"        "9331.57894736842"
## Student_4  "Econometrics" "1563.15789473684"
## Student_5  "Econometrics" "189.473684210527"
## Student_6  "Econometrics" "8147.36842105263"
## Student_7  "Stochastic"  "7057.8947368421"
## Student_8  "IoT"        "5494.73684210526"
## Student_9  "Econometrics" "9236.84210526316"
## Student_10 "Econometrics" "7673.68421052631"
## Student_11 "IoT"        "9710.52631578947"
## Student_12 "Econometrics" "5731.57894736842"
## Student_13 "IoT"        "1326.31578947368"
## Student_14 "IoT"        "10089.4736842105"
## Student_15 "Econometrics" "1231.57894736842"
## Student_16 "IoT"        "8526.31578947369"
## Student_17 "Stochastic"  "5352.63157894737"
## Student_18 "Econometrics" "9331.57894736842"
## Student_19 "Stochastic"  "1657.8947368421"
## Student_20 "IoT"        "5400"
## Student_21 "Stochastic"  "5210.52631578947"
## Student_22 "Econometrics" "1894.73684210526"
## Student_23 "Econometrics" "4736.84210526316"

```

```

## Student_24 "IoT"           "1752.63157894737"
## Student_25 "Stochastic"    "3221.05263157895"
## Student_26 "Econometrics"  "852.63157894737"
## Student_27 "Stochastic"    "5163.15789473684"
## Student_28 "IoT"           "1515.78947368421"
## Student_29 "IoT"           "5494.73684210526"
## Student_30 "Econometrics"  "3031.57894736842"
## Student_31 "Econometrics"  "10231.5789473684"
## Student_32 "Stochastic"    "10326.3157894737"
## Student_33 "Econometrics"  "5684.21052631579"
## Student_34 "Stochastic"    "6015.78947368421"
## Student_35 "IoT"           "1515.78947368421"
## Student_36 "Stochastic"    "10278.9473684211"
## Student_37 "IoT"           "2273.68421052631"
## Student_38 "Econometrics"  "9094.73684210526"
## Student_39 "IoT"           "4215.78947368421"
## Student_40 "Econometrics"  "8573.68421052632"

```

Additional Questions (by Group5)

Q1) Find the total numbers of classes attended by all the students in each of the electives of bucketlist1.

```
r num_class<- as.numeric(Student_report[,2]) tapply(num_class, bucket1f, sum)
## Java Python      R ## 2526   5885   2309
```

Q2) Find the student IDs and number of classes attended by the students who have no penalties

```
r Student_report[Student_report[,6]==0, ]
## Registration Nums Classes Attended      Attendance      Elective 1 ##
"2201029"          "380"                 "100"            "Python" ##      Elective 2
Penalty ##          "Stochastic"          "0"
```

Additional Questions (Our Group Questions)

Q1) Students with attendance smaller than 69%, print their electives.

```
Student_report[as.numeric(Student_report[,3])<69, c(4,5)]
```

```

##           Elective 1 Elective 2
## Student_3  "Python"  "IoT"
## Student_6  "R"       "Econometrics"
## Student_7  "Java"    "Stochastic"
## Student_9  "Python"  "Econometrics"
## Student_10 "Java"    "Econometrics"
## Student_11 "Python"  "IoT"
## Student_12 "R"       "Econometrics"
## Student_14 "Java"    "IoT"
## Student_16 "Python"  "IoT"
## Student_18 "Python"  "Econometrics"
## Student_31 "R"       "Econometrics"
## Student_32 "R"       "Stochastic"
## Student_33 "Java"    "Econometrics"
## Student_34 "Python"  "Stochastic"
## Student_36 "Python"  "Stochastic"
## Student_38 "Python"  "Econometrics"
## Student_40 "Python"  "Econometrics"
```

Q2) Print the number of students with penalty less than 4000.

```
Student_report[as.numeric(Student_report[,6])<4000, ]
```

```
##           Registration Nums Classes Attended Attendance          Elective 1
## Student_2    "2201029"      "380"     "100"      "90.789473684205" "Python"
## Student_4    "2201025"      "347"     "91.3157894736842" "Python"
## Student_5    "2201008"      "376"     "98.9473684210526" "Python"
## Student_13   "2201048"      "352"     "92.6315789473684" "Java"
## Student_15   "2201047"      "354"     "93.1578947368421" "Python"
## Student_19   "2201039"      "345"     "90.7894736842105" "Java"
## Student_22   "2201037"      "340"     "89.4736842105263" "Python"
## Student_24   "2201013"      "343"     "90.2631578947368" "Java"
## Student_25   "2201028"      "312"     "82.1052631578947" "Python"
## Student_26   "2201040"      "362"     "95.2631578947368" "R"
## Student_28   "2201012"      "348"     "91.5789473684211" "Python"
## Student_30   "2201017"      "316"     "83.1578947368421" "Java"
## Student_35   "2201019"      "348"     "91.5789473684211" "Python"
## Student_37   "2201020"      "332"     "87.3684210526316" "R"
##           Elective 2      Penalty
## Student_2    "Stochastic"    "0"
## Student_4    "Econometrics" "1563.15789473684"
## Student_5    "Econometrics" "189.473684210527"
## Student_13   "IoT"          "1326.31578947368"
## Student_15   "Econometrics" "1231.57894736842"
## Student_19   "Stochastic"    "1657.8947368421"
## Student_22   "Econometrics" "1894.73684210526"
## Student_24   "IoT"          "1752.63157894737"
## Student_25   "Stochastic"    "3221.05263157895"
## Student_26   "Econometrics" "852.63157894737"
## Student_28   "IoT"          "1515.78947368421"
## Student_30   "Econometrics" "3031.57894736842"
## Student_35   "IoT"          "1515.78947368421"
## Student_37   "IoT"          "2273.68421052631"
```

Name: Krish Agarwal
Registration Number: 21112016
Class: 2BSc DS A
R for Analytics
Lab 5

1.Create a dataframe of 150 observations with variables Reg No(int), Programme (Factor)[levels-IBScDS,IIBScDS,IBScEA,IMScDS],Background(factor)[levels-Science,Commerce,Other],sub1_marks(int), sub2_marks(int),sub3_marks(int),sub4_marks(int),sub5_marks(int).

```
set.seed(25)
reg_no <- as.integer(seq(from = 21112001, to = 21112150, by = 1))
program <- as.factor(sample(c("1BScDS", "2BScDS", "1BScEA", "1MScDS"), 150, replace = T))
background <- as.factor(sample(c("Science", "Commerce", "Other"), 150, replace = T))
sub1_marks <- as.integer(sample(0:100, 150, replace = T))
sub2_marks <- as.integer(sample(0:100, 150, replace = T))
sub3_marks <- as.integer(sample(0:100, 150, replace = T))
sub4_marks <- as.integer(sample(0:100, 150, replace = T))
sub5_marks <- as.integer(sample(0:100, 150, replace = T))

dataframe <- data.frame("Registration Number" = reg_no, "Program" = program, "Background" = background,
dataframe
```

##	Registration.Number	Program	Background	Subject.1	Subject.2	Subject.3
## 1	21112001	1BScEA	Commerce	87	57	94
## 2	21112002	1BScDS	Science	2	69	10
## 3	21112003	1MScDS	Other	28	64	23
## 4	21112004	1MScDS	Other	32	18	92
## 5	21112005	1BScDS	Commerce	50	65	36
## 6	21112006	1BScDS	Science	79	88	62
## 7	21112007	1MScDS	Science	36	2	73
## 8	21112008	1BScDS	Other	82	29	36
## 9	21112009	2BScDS	Science	10	92	56
## 10	21112010	1BScEA	Commerce	68	38	88
## 11	21112011	2BScDS	Commerce	92	62	46
## 12	21112012	1MScDS	Other	100	85	67
## 13	21112013	1MScDS	Other	50	79	13
## 14	21112014	1BScDS	Other	34	25	41
## 15	21112015	1MScDS	Other	26	21	1
## 16	21112016	1BScEA	Other	82	56	34
## 17	21112017	1BScDS	Other	88	84	79
## 18	21112018	1MScDS	Other	51	40	46
## 19	21112019	1MScDS	Commerce	2	82	26
## 20	21112020	2BScDS	Science	49	73	15
## 21	21112021	1BScEA	Science	0	16	20
## 22	21112022	1BScEA	Science	77	7	61
## 23	21112023	1BScDS	Other	12	17	99
## 24	21112024	1BScDS	Other	40	25	62
## 25	21112025	1MScDS	Science	38	20	88
## 26	21112026	2BScDS	Science	4	55	50
## 27	21112027	1BScDS	Science	96	20	14
## 28	21112028	1BScEA	Other	25	21	26

## 29	21112029	1MScDS	Other	34	20	9
## 30	21112030	1MScDS	Other	6	23	92
## 31	21112031	1BScDS	Other	42	81	33
## 32	21112032	1BScDS	Other	32	76	50
## 33	21112033	1BScDS	Other	74	36	23
## 34	21112034	1BScDS	Science	27	98	19
## 35	21112035	1BScEA	Commerce	11	36	92
## 36	21112036	1BScDS	Other	70	78	58
## 37	21112037	2BScDS	Other	93	91	86
## 38	21112038	1BScDS	Other	19	34	96
## 39	21112039	1MScDS	Commerce	29	31	91
## 40	21112040	1BScDS	Commerce	46	95	71
## 41	21112041	1BScDS	Science	99	30	48
## 42	21112042	1MScDS	Other	19	84	91
## 43	21112043	1MScDS	Commerce	50	59	62
## 44	21112044	1BScEA	Commerce	70	60	35
## 45	21112045	1MScDS	Commerce	14	100	63
## 46	21112046	2BScDS	Commerce	76	63	63
## 47	21112047	2BScDS	Other	39	68	53
## 48	21112048	1BScEA	Other	40	38	26
## 49	21112049	1BScDS	Science	43	80	44
## 50	21112050	1MScDS	Commerce	81	27	33
## 51	21112051	1BScDS	Science	93	51	66
## 52	21112052	1BScDS	Commerce	87	19	61
## 53	21112053	2BScDS	Science	21	21	24
## 54	21112054	1MScDS	Science	45	16	89
## 55	21112055	1BScDS	Commerce	15	45	26
## 56	21112056	2BScDS	Other	28	36	46
## 57	21112057	1MScDS	Commerce	65	0	99
## 58	21112058	1MScDS	Other	43	35	88
## 59	21112059	1BScDS	Other	56	93	31
## 60	21112060	2BScDS	Other	81	53	14
## 61	21112061	1BScDS	Commerce	100	97	60
## 62	21112062	2BScDS	Science	44	7	52
## 63	21112063	1BScEA	Other	7	83	93
## 64	21112064	1MScDS	Science	22	47	40
## 65	21112065	1MScDS	Commerce	43	58	17
## 66	21112066	1BScEA	Other	71	11	38
## 67	21112067	1BScEA	Commerce	22	68	7
## 68	21112068	1MScDS	Other	28	27	96
## 69	21112069	1MScDS	Science	38	19	55
## 70	21112070	1MScDS	Other	66	81	33
## 71	21112071	1BScDS	Other	53	30	29
## 72	21112072	2BScDS	Science	99	41	46
## 73	21112073	1BScEA	Science	56	24	54
## 74	21112074	1MScDS	Commerce	62	87	74
## 75	21112075	1MScDS	Commerce	28	25	22
## 76	21112076	1BScEA	Science	41	44	62
## 77	21112077	2BScDS	Commerce	6	60	12
## 78	21112078	1BScEA	Science	55	89	54
## 79	21112079	2BScDS	Commerce	5	13	74
## 80	21112080	2BScDS	Commerce	50	26	2
## 81	21112081	1BScEA	Other	35	49	16
## 82	21112082	1MScDS	Other	48	96	48

## 83	21112083	2BScDS	Other	68	36	37
## 84	21112084	1MScDS	Science	91	26	75
## 85	21112085	1BScDS	Science	29	71	70
## 86	21112086	1BScEA	Commerce	55	53	18
## 87	21112087	1BScDS	Other	58	96	93
## 88	21112088	1MScDS	Science	3	50	18
## 89	21112089	2BScDS	Commerce	59	36	13
## 90	21112090	1BScDS	Science	94	76	45
## 91	21112091	1BScEA	Science	41	17	59
## 92	21112092	1BScEA	Commerce	52	54	79
## 93	21112093	2BScDS	Science	0	93	79
## 94	21112094	1BScDS	Other	78	50	76
## 95	21112095	1MScDS	Other	61	49	57
## 96	21112096	1MScDS	Science	34	0	19
## 97	21112097	1MScDS	Other	14	73	17
## 98	21112098	1BScEA	Science	44	4	57
## 99	21112099	1MScDS	Commerce	80	11	55
## 100	21112100	1BScDS	Other	12	61	89
## 101	21112101	2BScDS	Other	97	39	69
## 102	21112102	2BScDS	Science	52	37	28
## 103	21112103	1MScDS	Other	75	28	56
## 104	21112104	1BScEA	Other	95	83	0
## 105	21112105	1BScEA	Science	33	71	17
## 106	21112106	1BScDS	Commerce	88	35	16
## 107	21112107	1BScEA	Science	79	40	1
## 108	21112108	1BScDS	Commerce	49	34	99
## 109	21112109	1MScDS	Other	12	48	65
## 110	21112110	2BScDS	Other	71	86	25
## 111	21112111	1MScDS	Science	25	93	68
## 112	21112112	1BScDS	Commerce	37	46	76
## 113	21112113	1MScDS	Other	76	2	35
## 114	21112114	2BScDS	Science	65	78	1
## 115	21112115	1MScDS	Science	99	59	22
## 116	21112116	1BScEA	Commerce	58	45	73
## 117	21112117	1MScDS	Commerce	2	46	67
## 118	21112118	2BScDS	Science	10	78	8
## 119	21112119	1BScEA	Commerce	44	81	31
## 120	21112120	1MScDS	Other	100	17	64
## 121	21112121	1MScDS	Commerce	25	11	22
## 122	21112122	1BScDS	Science	36	15	56
## 123	21112123	2BScDS	Other	96	40	99
## 124	21112124	1MScDS	Science	5	19	81
## 125	21112125	1BScDS	Commerce	95	45	35
## 126	21112126	1BScDS	Science	12	73	42
## 127	21112127	2BScDS	Commerce	4	75	98
## 128	21112128	1MScDS	Other	84	47	78
## 129	21112129	1BScEA	Other	93	4	9
## 130	21112130	1BScDS	Other	32	59	45
## 131	21112131	1BScEA	Other	10	45	95
## 132	21112132	2BScDS	Other	93	30	61
## 133	21112133	1MScDS	Other	81	37	67
## 134	21112134	1MScDS	Science	44	58	33
## 135	21112135	2BScDS	Science	87	10	74
## 136	21112136	1BScDS	Other	1	68	87

## 137	21112137	1BScDS	Commerce	32	22	54
## 138	21112138	2BScDS	Science	100	54	86
## 139	21112139	2BScDS	Other	47	22	21
## 140	21112140	2BScDS	Commerce	37	44	31
## 141	21112141	1MScDS	Other	46	35	13
## 142	21112142	1MScDS	Other	71	93	41
## 143	21112143	1BScEA	Other	4	76	76
## 144	21112144	1MScDS	Other	98	76	57
## 145	21112145	1MScDS	Other	52	47	9
## 146	21112146	2BScDS	Commerce	88	63	42
## 147	21112147	1BScEA	Other	50	35	65
## 148	21112148	1BScEA	Commerce	95	35	100
## 149	21112149	1MScDS	Commerce	90	89	69
## 150	21112150	1MScDS	Other	51	18	79
##	Subject.4	Subject.5				
## 1	23	61				
## 2	30	53				
## 3	26	46				
## 4	3	57				
## 5	90	47				
## 6	91	1				
## 7	95	96				
## 8	99	31				
## 9	100	83				
## 10	32	22				
## 11	46	61				
## 12	2	39				
## 13	63	5				
## 14	57	76				
## 15	98	70				
## 16	57	63				
## 17	72	79				
## 18	31	46				
## 19	66	28				
## 20	78	81				
## 21	89	11				
## 22	10	63				
## 23	27	90				
## 24	5	11				
## 25	48	25				
## 26	67	23				
## 27	11	61				
## 28	5	91				
## 29	0	67				
## 30	36	31				
## 31	65	21				
## 32	57	42				
## 33	29	34				
## 34	82	7				
## 35	10	54				
## 36	92	70				
## 37	70	83				
## 38	51	98				
## 39	47	47				

## 40	30	83
## 41	96	42
## 42	98	1
## 43	40	57
## 44	46	9
## 45	76	63
## 46	30	99
## 47	34	85
## 48	93	79
## 49	46	10
## 50	98	1
## 51	85	44
## 52	53	87
## 53	98	87
## 54	39	91
## 55	65	81
## 56	36	28
## 57	71	52
## 58	7	46
## 59	61	19
## 60	7	99
## 61	5	76
## 62	100	4
## 63	58	81
## 64	64	92
## 65	46	58
## 66	6	14
## 67	40	70
## 68	26	64
## 69	46	96
## 70	39	22
## 71	99	65
## 72	25	18
## 73	95	74
## 74	69	52
## 75	7	23
## 76	14	68
## 77	51	62
## 78	96	63
## 79	99	1
## 80	6	57
## 81	66	5
## 82	81	95
## 83	76	10
## 84	38	80
## 85	50	96
## 86	43	59
## 87	76	39
## 88	63	28
## 89	83	62
## 90	61	78
## 91	43	48
## 92	47	62
## 93	20	85

## 94	84	71
## 95	17	52
## 96	81	100
## 97	18	50
## 98	39	2
## 99	50	4
## 100	88	80
## 101	37	37
## 102	60	20
## 103	24	17
## 104	94	40
## 105	99	92
## 106	3	42
## 107	81	57
## 108	43	48
## 109	33	34
## 110	47	10
## 111	1	2
## 112	23	39
## 113	71	42
## 114	18	22
## 115	97	25
## 116	22	12
## 117	84	53
## 118	55	16
## 119	16	7
## 120	18	5
## 121	24	53
## 122	69	66
## 123	84	5
## 124	61	74
## 125	44	81
## 126	51	5
## 127	32	39
## 128	92	93
## 129	73	12
## 130	33	83
## 131	88	37
## 132	38	87
## 133	74	48
## 134	71	88
## 135	35	20
## 136	14	42
## 137	55	24
## 138	19	76
## 139	31	83
## 140	50	81
## 141	83	80
## 142	8	39
## 143	50	35
## 144	93	92
## 145	67	99
## 146	23	75
## 147	88	10

```

## 148      80      79
## 149      29      50
## 150      50      24

```

2.Analyze the dataset and summarise.

```

cat("----- Structure -----\\n\\n")

##----- Structure -----


str(dataframe)

## 'data.frame':   150 obs. of  8 variables:
## $ Registration.Number: int  21112001 21112002 21112003 21112004 21112005 ...
## $ Program            : Factor w/ 4 levels "IBScDS","IBScEA",...: 2 1 3 3 1 1 3 1 4 2 ...
## $ Background          : Factor w/ 3 levels "Commerce","Other",...: 1 3 2 2 1 3 3 2 3 1 ...
## $ Subject.1           : int  87 2 28 32 50 79 36 82 10 68 ...
## $ Subject.2           : int  57 69 64 18 65 88 2 29 92 38 ...
## $ Subject.3           : int  94 10 23 92 36 62 73 36 56 88 ...
## $ Subject.4           : int  23 30 26 3 90 91 95 99 100 32 ...
## $ Subject.5           : int  61 53 46 57 47 1 96 31 83 22 ...

cat("\\n\\n----- Summary -----\\n\\n")

##----- Summary -----


summary(dataframe)

##  Registration.Number   Program       Background    Subject.1
##  Min.   :21112001   1BScDS:38   Commerce:42   Min.   : 0.00
##  1st Qu.:21112038   1BScEA:30   Other   :64     1st Qu.: 28.00
##  Median :21112076   1MScDS:51   Science :44     Median : 48.50
##  Mean   :21112076   2BScDS:31                    Mean   : 50.44
##  3rd Qu.:21112113                         3rd Qu.: 77.75
##  Max.   :21112150                         Max.   :100.00
##      Subject.2        Subject.3        Subject.4        Subject.5
##  Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 1.00
##  1st Qu.: 26.00  1st Qu.: 26.00  1st Qu.: 29.25  1st Qu.: 24.00
##  Median : 46.00  Median : 53.50  Median : 50.00  Median : 52.00
##  Mean   : 48.77  Mean   : 50.84  Mean   : 52.13  Mean   : 50.69
##  3rd Qu.: 73.00  3rd Qu.: 73.75  3rd Qu.: 77.50  3rd Qu.: 78.75
##  Max.   :100.00  Max.   :100.00  Max.   :100.00  Max.   :100.00

# There are 8 columns to this dataframe where we have 150 students of programs [IBScDS - 38, IIBScDS - 3

```

3.Create a new column “Result” that has levels, “Distinction”, “passed” and “failed” considering that students percentage above 75 is a distinction, between 40 and 75 passed and others

```

result <- (sub1_marks + sub2_marks + sub3_marks + sub4_marks + sub5_marks)/5
resultf <- as.factor(ifelse(result>75, "Distinction", ifelse(result<40, "Fail", "Passed")))

dataframe$Result <- resultf
dataframe

```

	Registration.Number	Program	Background	Subject.1	Subject.2	Subject.3
## 1	21112001	1BScEA	Commerce	87	57	94
## 2	21112002	1BScDS	Science	2	69	10
## 3	21112003	1MScDS	Other	28	64	23
## 4	21112004	1MScDS	Other	32	18	92
## 5	21112005	1BScDS	Commerce	50	65	36
## 6	21112006	1BScDS	Science	79	88	62
## 7	21112007	1MScDS	Science	36	2	73
## 8	21112008	1BScDS	Other	82	29	36
## 9	21112009	2BScDS	Science	10	92	56
## 10	21112010	1BScEA	Commerce	68	38	88
## 11	21112011	2BScDS	Commerce	92	62	46
## 12	21112012	1MScDS	Other	100	85	67
## 13	21112013	1MScDS	Other	50	79	13
## 14	21112014	1BScDS	Other	34	25	41
## 15	21112015	1MScDS	Other	26	21	1
## 16	21112016	1BScEA	Other	82	56	34
## 17	21112017	1BScDS	Other	88	84	79
## 18	21112018	1MScDS	Other	51	40	46
## 19	21112019	1MScDS	Commerce	2	82	26
## 20	21112020	2BScDS	Science	49	73	15
## 21	21112021	1BScEA	Science	0	16	20
## 22	21112022	1BScEA	Science	77	7	61
## 23	21112023	1BScDS	Other	12	17	99
## 24	21112024	1BScDS	Other	40	25	62
## 25	21112025	1MScDS	Science	38	20	88
## 26	21112026	2BScDS	Science	4	55	50
## 27	21112027	1BScDS	Science	96	20	14
## 28	21112028	1BScEA	Other	25	21	26
## 29	21112029	1MScDS	Other	34	20	9
## 30	21112030	1MScDS	Other	6	23	92
## 31	21112031	1BScDS	Other	42	81	33
## 32	21112032	1BScDS	Other	32	76	50
## 33	21112033	1BScDS	Other	74	36	23
## 34	21112034	1BScDS	Science	27	98	19
## 35	21112035	1BScEA	Commerce	11	36	92
## 36	21112036	1BScDS	Other	70	78	58
## 37	21112037	2BScDS	Other	93	91	86
## 38	21112038	1BScDS	Other	19	34	96
## 39	21112039	1MScDS	Commerce	29	31	91
## 40	21112040	1BScDS	Commerce	46	95	71
## 41	21112041	1BScDS	Science	99	30	48
## 42	21112042	1MScDS	Other	19	84	91
## 43	21112043	1MScDS	Commerce	50	59	62
## 44	21112044	1BScEA	Commerce	70	60	35
## 45	21112045	1MScDS	Commerce	14	100	63
## 46	21112046	2BScDS	Commerce	76	63	63

## 47	21112047	2BScDS	Other	39	68	53
## 48	21112048	1BScEA	Other	40	38	26
## 49	21112049	1BScDS	Science	43	80	44
## 50	21112050	1MScDS	Commerce	81	27	33
## 51	21112051	1BScDS	Science	93	51	66
## 52	21112052	1BScDS	Commerce	87	19	61
## 53	21112053	2BScDS	Science	21	21	24
## 54	21112054	1MScDS	Science	45	16	89
## 55	21112055	1BScDS	Commerce	15	45	26
## 56	21112056	2BScDS	Other	28	36	46
## 57	21112057	1MScDS	Commerce	65	0	99
## 58	21112058	1MScDS	Other	43	35	88
## 59	21112059	1BScDS	Other	56	93	31
## 60	21112060	2BScDS	Other	81	53	14
## 61	21112061	1BScDS	Commerce	100	97	60
## 62	21112062	2BScDS	Science	44	7	52
## 63	21112063	1BScEA	Other	7	83	93
## 64	21112064	1MScDS	Science	22	47	40
## 65	21112065	1MScDS	Commerce	43	58	17
## 66	21112066	1BScEA	Other	71	11	38
## 67	21112067	1BScEA	Commerce	22	68	7
## 68	21112068	1MScDS	Other	28	27	96
## 69	21112069	1MScDS	Science	38	19	55
## 70	21112070	1MScDS	Other	66	81	33
## 71	21112071	1BScDS	Other	53	30	29
## 72	21112072	2BScDS	Science	99	41	46
## 73	21112073	1BScEA	Science	56	24	54
## 74	21112074	1MScDS	Commerce	62	87	74
## 75	21112075	1MScDS	Commerce	28	25	22
## 76	21112076	1BScEA	Science	41	44	62
## 77	21112077	2BScDS	Commerce	6	60	12
## 78	21112078	1BScEA	Science	55	89	54
## 79	21112079	2BScDS	Commerce	5	13	74
## 80	21112080	2BScDS	Commerce	50	26	2
## 81	21112081	1BScEA	Other	35	49	16
## 82	21112082	1MScDS	Other	48	96	48
## 83	21112083	2BScDS	Other	68	36	37
## 84	21112084	1MScDS	Science	91	26	75
## 85	21112085	1BScDS	Science	29	71	70
## 86	21112086	1BScEA	Commerce	55	53	18
## 87	21112087	1BScDS	Other	58	96	93
## 88	21112088	1MScDS	Science	3	50	18
## 89	21112089	2BScDS	Commerce	59	36	13
## 90	21112090	1BScDS	Science	94	76	45
## 91	21112091	1BScEA	Science	41	17	59
## 92	21112092	1BScEA	Commerce	52	54	79
## 93	21112093	2BScDS	Science	0	93	79
## 94	21112094	1BScDS	Other	78	50	76
## 95	21112095	1MScDS	Other	61	49	57
## 96	21112096	1MScDS	Science	34	0	19
## 97	21112097	1MScDS	Other	14	73	17
## 98	21112098	1BScEA	Science	44	4	57
## 99	21112099	1MScDS	Commerce	80	11	55
## 100	21112100	1BScDS	Other	12	61	89

## 101	21112101	2BScDS	Other	97	39	69
## 102	21112102	2BScDS	Science	52	37	28
## 103	21112103	1MScDS	Other	75	28	56
## 104	21112104	1BScEA	Other	95	83	0
## 105	21112105	1BScEA	Science	33	71	17
## 106	21112106	1BScDS	Commerce	88	35	16
## 107	21112107	1BScEA	Science	79	40	1
## 108	21112108	1BScDS	Commerce	49	34	99
## 109	21112109	1MScDS	Other	12	48	65
## 110	21112110	2BScDS	Other	71	86	25
## 111	21112111	1MScDS	Science	25	93	68
## 112	21112112	1BScDS	Commerce	37	46	76
## 113	21112113	1MScDS	Other	76	2	35
## 114	21112114	2BScDS	Science	65	78	1
## 115	21112115	1MScDS	Science	99	59	22
## 116	21112116	1BScEA	Commerce	58	45	73
## 117	21112117	1MScDS	Commerce	2	46	67
## 118	21112118	2BScDS	Science	10	78	8
## 119	21112119	1BScEA	Commerce	44	81	31
## 120	21112120	1MScDS	Other	100	17	64
## 121	21112121	1MScDS	Commerce	25	11	22
## 122	21112122	1BScDS	Science	36	15	56
## 123	21112123	2BScDS	Other	96	40	99
## 124	21112124	1MScDS	Science	5	19	81
## 125	21112125	1BScDS	Commerce	95	45	35
## 126	21112126	1BScDS	Science	12	73	42
## 127	21112127	2BScDS	Commerce	4	75	98
## 128	21112128	1MScDS	Other	84	47	78
## 129	21112129	1BScEA	Other	93	4	9
## 130	21112130	1BScDS	Other	32	59	45
## 131	21112131	1BScEA	Other	10	45	95
## 132	21112132	2BScDS	Other	93	30	61
## 133	21112133	1MScDS	Other	81	37	67
## 134	21112134	1MScDS	Science	44	58	33
## 135	21112135	2BScDS	Science	87	10	74
## 136	21112136	1BScDS	Other	1	68	87
## 137	21112137	1BScDS	Commerce	32	22	54
## 138	21112138	2BScDS	Science	100	54	86
## 139	21112139	2BScDS	Other	47	22	21
## 140	21112140	2BScDS	Commerce	37	44	31
## 141	21112141	1MScDS	Other	46	35	13
## 142	21112142	1MScDS	Other	71	93	41
## 143	21112143	1BScEA	Other	4	76	76
## 144	21112144	1MScDS	Other	98	76	57
## 145	21112145	1MScDS	Other	52	47	9
## 146	21112146	2BScDS	Commerce	88	63	42
## 147	21112147	1BScEA	Other	50	35	65
## 148	21112148	1BScEA	Commerce	95	35	100
## 149	21112149	1MScDS	Commerce	90	89	69
## 150	21112150	1MScDS	Other	51	18	79
##	Subject.4	Subject.5	Result			
## 1	23	61	Passed			
## 2	30	53	Fail			
## 3	26	46	Fail			

## 4	3	57	Passed
## 5	90	47	Passed
## 6	91	1	Passed
## 7	95	96	Passed
## 8	99	31	Passed
## 9	100	83	Passed
## 10	32	22	Passed
## 11	46	61	Passed
## 12	2	39	Passed
## 13	63	5	Passed
## 14	57	76	Passed
## 15	98	70	Passed
## 16	57	63	Passed
## 17	72	79	Distinction
## 18	31	46	Passed
## 19	66	28	Passed
## 20	78	81	Passed
## 21	89	11	Fail
## 22	10	63	Passed
## 23	27	90	Passed
## 24	5	11	Fail
## 25	48	25	Passed
## 26	67	23	Fail
## 27	11	61	Passed
## 28	5	91	Fail
## 29	0	67	Fail
## 30	36	31	Fail
## 31	65	21	Passed
## 32	57	42	Passed
## 33	29	34	Fail
## 34	82	7	Passed
## 35	10	54	Passed
## 36	92	70	Passed
## 37	70	83	Distinction
## 38	51	98	Passed
## 39	47	47	Passed
## 40	30	83	Passed
## 41	96	42	Passed
## 42	98	1	Passed
## 43	40	57	Passed
## 44	46	9	Passed
## 45	76	63	Passed
## 46	30	99	Passed
## 47	34	85	Passed
## 48	93	79	Passed
## 49	46	10	Passed
## 50	98	1	Passed
## 51	85	44	Passed
## 52	53	87	Passed
## 53	98	87	Passed
## 54	39	91	Passed
## 55	65	81	Passed
## 56	36	28	Fail
## 57	71	52	Passed

## 58	7	46	Passed
## 59	61	19	Passed
## 60	7	99	Passed
## 61	5	76	Passed
## 62	100	4	Passed
## 63	58	81	Passed
## 64	64	92	Passed
## 65	46	58	Passed
## 66	6	14	Fail
## 67	40	70	Passed
## 68	26	64	Passed
## 69	46	96	Passed
## 70	39	22	Passed
## 71	99	65	Passed
## 72	25	18	Passed
## 73	95	74	Passed
## 74	69	52	Passed
## 75	7	23	Fail
## 76	14	68	Passed
## 77	51	62	Fail
## 78	96	63	Passed
## 79	99	1	Fail
## 80	6	57	Fail
## 81	66	5	Fail
## 82	81	95	Passed
## 83	76	10	Passed
## 84	38	80	Passed
## 85	50	96	Passed
## 86	43	59	Passed
## 87	76	39	Passed
## 88	63	28	Fail
## 89	83	62	Passed
## 90	61	78	Passed
## 91	43	48	Passed
## 92	47	62	Passed
## 93	20	85	Passed
## 94	84	71	Passed
## 95	17	52	Passed
## 96	81	100	Passed
## 97	18	50	Fail
## 98	39	2	Fail
## 99	50	4	Passed
## 100	88	80	Passed
## 101	37	37	Passed
## 102	60	20	Fail
## 103	24	17	Passed
## 104	94	40	Passed
## 105	99	92	Passed
## 106	3	42	Fail
## 107	81	57	Passed
## 108	43	48	Passed
## 109	33	34	Fail
## 110	47	10	Passed
## 111	1	2	Fail

```

## 112      23      39    Passed
## 113      71      42    Passed
## 114      18      22    Fail
## 115      97      25    Passed
## 116      22      12    Passed
## 117      84      53    Passed
## 118      55      16    Fail
## 119      16      7     Fail
## 120      18      5     Passed
## 121      24      53    Fail
## 122      69      66    Passed
## 123      84      5     Passed
## 124      61      74    Passed
## 125      44      81    Passed
## 126      51      5     Fail
## 127      32      39    Passed
## 128      92      93 Distinction
## 129      73      12    Fail
## 130      33      83    Passed
## 131      88      37    Passed
## 132      38      87    Passed
## 133      74      48    Passed
## 134      71      88    Passed
## 135      35      20    Passed
## 136      14      42    Passed
## 137      55      24    Fail
## 138      19      76    Passed
## 139      31      83    Passed
## 140      50      81    Passed
## 141      83      80    Passed
## 142       8      39    Passed
## 143      50      35    Passed
## 144      93      92 Distinction
## 145      67      99    Passed
## 146      23      75    Passed
## 147      88      10    Passed
## 148      80      79 Distinction
## 149      29      50    Passed
## 150      50      24    Passed

```

4.Create a new column “Avg. Result” that finds the average marks of all the students.

```

avg_result <- (sub1_marks + sub2_marks + sub3_marks + sub4_marks + sub5_marks)/5
dataframe$AverageResult <- avg_result
dataframe

```

```

##      Registration.Number Program Background Subject.1 Subject.2 Subject.3
## 1          21112001   1BScEA    Commerce      87       57       94
## 2          21112002   1BScDS    Science       2       69       10
## 3          21112003   1MScDS    Other        28       64       23
## 4          21112004   1MScDS    Other        32       18       92
## 5          21112005   1BScDS    Commerce      50       65       36
## 6          21112006   1BScDS    Science      79       88       62
## 7          21112007   1MScDS    Science      36        2       73

```

## 8	21112008	1BScDS	Other	82	29	36
## 9	21112009	2BScDS	Science	10	92	56
## 10	21112010	1BScEA	Commerce	68	38	88
## 11	21112011	2BScDS	Commerce	92	62	46
## 12	21112012	1MScDS	Other	100	85	67
## 13	21112013	1MScDS	Other	50	79	13
## 14	21112014	1BScDS	Other	34	25	41
## 15	21112015	1MScDS	Other	26	21	1
## 16	21112016	1BScEA	Other	82	56	34
## 17	21112017	1BScDS	Other	88	84	79
## 18	21112018	1MScDS	Other	51	40	46
## 19	21112019	1MScDS	Commerce	2	82	26
## 20	21112020	2BScDS	Science	49	73	15
## 21	21112021	1BScEA	Science	0	16	20
## 22	21112022	1BScEA	Science	77	7	61
## 23	21112023	1BScDS	Other	12	17	99
## 24	21112024	1BScDS	Other	40	25	62
## 25	21112025	1MScDS	Science	38	20	88
## 26	21112026	2BScDS	Science	4	55	50
## 27	21112027	1BScDS	Science	96	20	14
## 28	21112028	1BScEA	Other	25	21	26
## 29	21112029	1MScDS	Other	34	20	9
## 30	21112030	1MScDS	Other	6	23	92
## 31	21112031	1BScDS	Other	42	81	33
## 32	21112032	1BScDS	Other	32	76	50
## 33	21112033	1BScDS	Other	74	36	23
## 34	21112034	1BScDS	Science	27	98	19
## 35	21112035	1BScEA	Commerce	11	36	92
## 36	21112036	1BScDS	Other	70	78	58
## 37	21112037	2BScDS	Other	93	91	86
## 38	21112038	1BScDS	Other	19	34	96
## 39	21112039	1MScDS	Commerce	29	31	91
## 40	21112040	1BScDS	Commerce	46	95	71
## 41	21112041	1BScDS	Science	99	30	48
## 42	21112042	1MScDS	Other	19	84	91
## 43	21112043	1MScDS	Commerce	50	59	62
## 44	21112044	1BScEA	Commerce	70	60	35
## 45	21112045	1MScDS	Commerce	14	100	63
## 46	21112046	2BScDS	Commerce	76	63	63
## 47	21112047	2BScDS	Other	39	68	53
## 48	21112048	1BScEA	Other	40	38	26
## 49	21112049	1BScDS	Science	43	80	44
## 50	21112050	1MScDS	Commerce	81	27	33
## 51	21112051	1BScDS	Science	93	51	66
## 52	21112052	1BScDS	Commerce	87	19	61
## 53	21112053	2BScDS	Science	21	21	24
## 54	21112054	1MScDS	Science	45	16	89
## 55	21112055	1BScDS	Commerce	15	45	26
## 56	21112056	2BScDS	Other	28	36	46
## 57	21112057	1MScDS	Commerce	65	0	99
## 58	21112058	1MScDS	Other	43	35	88
## 59	21112059	1BScDS	Other	56	93	31
## 60	21112060	2BScDS	Other	81	53	14
## 61	21112061	1BScDS	Commerce	100	97	60

## 62	21112062	2BScDS	Science	44	7	52
## 63	21112063	1BScEA	Other	7	83	93
## 64	21112064	1MScDS	Science	22	47	40
## 65	21112065	1MScDS	Commerce	43	58	17
## 66	21112066	1BScEA	Other	71	11	38
## 67	21112067	1BScEA	Commerce	22	68	7
## 68	21112068	1MScDS	Other	28	27	96
## 69	21112069	1MScDS	Science	38	19	55
## 70	21112070	1MScDS	Other	66	81	33
## 71	21112071	1BScDS	Other	53	30	29
## 72	21112072	2BScDS	Science	99	41	46
## 73	21112073	1BScEA	Science	56	24	54
## 74	21112074	1MScDS	Commerce	62	87	74
## 75	21112075	1MScDS	Commerce	28	25	22
## 76	21112076	1BScEA	Science	41	44	62
## 77	21112077	2BScDS	Commerce	6	60	12
## 78	21112078	1BScEA	Science	55	89	54
## 79	21112079	2BScDS	Commerce	5	13	74
## 80	21112080	2BScDS	Commerce	50	26	2
## 81	21112081	1BScEA	Other	35	49	16
## 82	21112082	1MScDS	Other	48	96	48
## 83	21112083	2BScDS	Other	68	36	37
## 84	21112084	1MScDS	Science	91	26	75
## 85	21112085	1BScDS	Science	29	71	70
## 86	21112086	1BScEA	Commerce	55	53	18
## 87	21112087	1BScDS	Other	58	96	93
## 88	21112088	1MScDS	Science	3	50	18
## 89	21112089	2BScDS	Commerce	59	36	13
## 90	21112090	1BScDS	Science	94	76	45
## 91	21112091	1BScEA	Science	41	17	59
## 92	21112092	1BScEA	Commerce	52	54	79
## 93	21112093	2BScDS	Science	0	93	79
## 94	21112094	1BScDS	Other	78	50	76
## 95	21112095	1MScDS	Other	61	49	57
## 96	21112096	1MScDS	Science	34	0	19
## 97	21112097	1MScDS	Other	14	73	17
## 98	21112098	1BScEA	Science	44	4	57
## 99	21112099	1MScDS	Commerce	80	11	55
## 100	21112100	1BScDS	Other	12	61	89
## 101	21112101	2BScDS	Other	97	39	69
## 102	21112102	2BScDS	Science	52	37	28
## 103	21112103	1MScDS	Other	75	28	56
## 104	21112104	1BScEA	Other	95	83	0
## 105	21112105	1BScEA	Science	33	71	17
## 106	21112106	1BScDS	Commerce	88	35	16
## 107	21112107	1BScEA	Science	79	40	1
## 108	21112108	1BScDS	Commerce	49	34	99
## 109	21112109	1MScDS	Other	12	48	65
## 110	21112110	2BScDS	Other	71	86	25
## 111	21112111	1MScDS	Science	25	93	68
## 112	21112112	1BScDS	Commerce	37	46	76
## 113	21112113	1MScDS	Other	76	2	35
## 114	21112114	2BScDS	Science	65	78	1
## 115	21112115	1MScDS	Science	99	59	22

## 116	21112116	1BScEA	Commerce	58	45	73
## 117	21112117	1MScDS	Commerce	2	46	67
## 118	21112118	2BScDS	Science	10	78	8
## 119	21112119	1BScEA	Commerce	44	81	31
## 120	21112120	1MScDS	Other	100	17	64
## 121	21112121	1MScDS	Commerce	25	11	22
## 122	21112122	1BScDS	Science	36	15	56
## 123	21112123	2BScDS	Other	96	40	99
## 124	21112124	1MScDS	Science	5	19	81
## 125	21112125	1BScDS	Commerce	95	45	35
## 126	21112126	1BScDS	Science	12	73	42
## 127	21112127	2BScDS	Commerce	4	75	98
## 128	21112128	1MScDS	Other	84	47	78
## 129	21112129	1BScEA	Other	93	4	9
## 130	21112130	1BScDS	Other	32	59	45
## 131	21112131	1BScEA	Other	10	45	95
## 132	21112132	2BScDS	Other	93	30	61
## 133	21112133	1MScDS	Other	81	37	67
## 134	21112134	1MScDS	Science	44	58	33
## 135	21112135	2BScDS	Science	87	10	74
## 136	21112136	1BScDS	Other	1	68	87
## 137	21112137	1BScDS	Commerce	32	22	54
## 138	21112138	2BScDS	Science	100	54	86
## 139	21112139	2BScDS	Other	47	22	21
## 140	21112140	2BScDS	Commerce	37	44	31
## 141	21112141	1MScDS	Other	46	35	13
## 142	21112142	1MScDS	Other	71	93	41
## 143	21112143	1BScEA	Other	4	76	76
## 144	21112144	1MScDS	Other	98	76	57
## 145	21112145	1MScDS	Other	52	47	9
## 146	21112146	2BScDS	Commerce	88	63	42
## 147	21112147	1BScEA	Other	50	35	65
## 148	21112148	1BScEA	Commerce	95	35	100
## 149	21112149	1MScDS	Commerce	90	89	69
## 150	21112150	1MScDS	Other	51	18	79
##	Subject.4	Subject.5	Result	AverageResult		
## 1	23	61	Passed	64.4		
## 2	30	53	Fail	32.8		
## 3	26	46	Fail	37.4		
## 4	3	57	Passed	40.4		
## 5	90	47	Passed	57.6		
## 6	91	1	Passed	64.2		
## 7	95	96	Passed	60.4		
## 8	99	31	Passed	55.4		
## 9	100	83	Passed	68.2		
## 10	32	22	Passed	49.6		
## 11	46	61	Passed	61.4		
## 12	2	39	Passed	58.6		
## 13	63	5	Passed	42.0		
## 14	57	76	Passed	46.6		
## 15	98	70	Passed	43.2		
## 16	57	63	Passed	58.4		
## 17	72	79	Distinction	80.4		
## 18	31	46	Passed	42.8		

## 19	66	28	Passed	40.8
## 20	78	81	Passed	59.2
## 21	89	11	Fail	27.2
## 22	10	63	Passed	43.6
## 23	27	90	Passed	49.0
## 24	5	11	Fail	28.6
## 25	48	25	Passed	43.8
## 26	67	23	Fail	39.8
## 27	11	61	Passed	40.4
## 28	5	91	Fail	33.6
## 29	0	67	Fail	26.0
## 30	36	31	Fail	37.6
## 31	65	21	Passed	48.4
## 32	57	42	Passed	51.4
## 33	29	34	Fail	39.2
## 34	82	7	Passed	46.6
## 35	10	54	Passed	40.6
## 36	92	70	Passed	73.6
## 37	70	83	Distinction	84.6
## 38	51	98	Passed	59.6
## 39	47	47	Passed	49.0
## 40	30	83	Passed	65.0
## 41	96	42	Passed	63.0
## 42	98	1	Passed	58.6
## 43	40	57	Passed	53.6
## 44	46	9	Passed	44.0
## 45	76	63	Passed	63.2
## 46	30	99	Passed	66.2
## 47	34	85	Passed	55.8
## 48	93	79	Passed	55.2
## 49	46	10	Passed	44.6
## 50	98	1	Passed	48.0
## 51	85	44	Passed	67.8
## 52	53	87	Passed	61.4
## 53	98	87	Passed	50.2
## 54	39	91	Passed	56.0
## 55	65	81	Passed	46.4
## 56	36	28	Fail	34.8
## 57	71	52	Passed	57.4
## 58	7	46	Passed	43.8
## 59	61	19	Passed	52.0
## 60	7	99	Passed	50.8
## 61	5	76	Passed	67.6
## 62	100	4	Passed	41.4
## 63	58	81	Passed	64.4
## 64	64	92	Passed	53.0
## 65	46	58	Passed	44.4
## 66	6	14	Fail	28.0
## 67	40	70	Passed	41.4
## 68	26	64	Passed	48.2
## 69	46	96	Passed	50.8
## 70	39	22	Passed	48.2
## 71	99	65	Passed	55.2
## 72	25	18	Passed	45.8

## 73	95	74	Passed	60.6
## 74	69	52	Passed	68.8
## 75	7	23	Fail	21.0
## 76	14	68	Passed	45.8
## 77	51	62	Fail	38.2
## 78	96	63	Passed	71.4
## 79	99	1	Fail	38.4
## 80	6	57	Fail	28.2
## 81	66	5	Fail	34.2
## 82	81	95	Passed	73.6
## 83	76	10	Passed	45.4
## 84	38	80	Passed	62.0
## 85	50	96	Passed	63.2
## 86	43	59	Passed	45.6
## 87	76	39	Passed	72.4
## 88	63	28	Fail	32.4
## 89	83	62	Passed	50.6
## 90	61	78	Passed	70.8
## 91	43	48	Passed	41.6
## 92	47	62	Passed	58.8
## 93	20	85	Passed	55.4
## 94	84	71	Passed	71.8
## 95	17	52	Passed	47.2
## 96	81	100	Passed	46.8
## 97	18	50	Fail	34.4
## 98	39	2	Fail	29.2
## 99	50	4	Passed	40.0
## 100	88	80	Passed	66.0
## 101	37	37	Passed	55.8
## 102	60	20	Fail	39.4
## 103	24	17	Passed	40.0
## 104	94	40	Passed	62.4
## 105	99	92	Passed	62.4
## 106	3	42	Fail	36.8
## 107	81	57	Passed	51.6
## 108	43	48	Passed	54.6
## 109	33	34	Fail	38.4
## 110	47	10	Passed	47.8
## 111	1	2	Fail	37.8
## 112	23	39	Passed	44.2
## 113	71	42	Passed	45.2
## 114	18	22	Fail	36.8
## 115	97	25	Passed	60.4
## 116	22	12	Passed	42.0
## 117	84	53	Passed	50.4
## 118	55	16	Fail	33.4
## 119	16	7	Fail	35.8
## 120	18	5	Passed	40.8
## 121	24	53	Fail	27.0
## 122	69	66	Passed	48.4
## 123	84	5	Passed	64.8
## 124	61	74	Passed	48.0
## 125	44	81	Passed	60.0
## 126	51	5	Fail	36.6

```

## 127      32      39      Passed      49.6
## 128      92      93 Distinction  78.8
## 129      73      12       Fail      38.2
## 130      33      83      Passed      50.4
## 131      88      37      Passed      55.0
## 132      38      87      Passed      61.8
## 133      74      48      Passed      61.4
## 134      71      88      Passed      58.8
## 135      35      20      Passed      45.2
## 136      14      42      Passed      42.4
## 137      55      24       Fail      37.4
## 138      19      76      Passed      67.0
## 139      31      83      Passed      40.8
## 140      50      81      Passed      48.6
## 141      83      80      Passed      51.4
## 142       8      39      Passed      50.4
## 143      50      35      Passed      48.2
## 144      93      92 Distinction  83.2
## 145      67      99      Passed      54.8
## 146      23      75      Passed      58.2
## 147      88      10      Passed      49.6
## 148      80      79 Distinction  77.8
## 149      29      50      Passed      65.4
## 150      50      24      Passed      44.4

```

```

# as.numeric(dataframe[c(4:8), ])
# rowMeans(dataframe[c(4:8), ])

```

5. Create a function that checks if the value is numeric or not and if the value is numeric it finds the min,max, mean, std and var of the given column. Else it prints a message to the user. Use the Result column and marks column to validate.

#Following is for the Result column

```

find_num <- function(y){
  y <- dataframe$Result
  for (i in y){
    x = is.numeric(i)
    if (x == TRUE){
      y1 <- min(dataframe$Result)
      y2 <- max(dataframe$Result)
      y3 <- mean(dataframe$Result)
      y4 <- sd(dataframe$Result)
      y5 <- var(dataframe$Result)

      return(c(y1, y2, y3, y4, y5))
    }
    else
      cat("The column is not numeric")
      {break}
  }
}

```

```

y <- dataframe$Result
variable <- find_num(y)

## The column is not numeric

print(variable)

## NULL

#Following is for the AvgMarks column

find_num <- function(y){
  y <- dataframe$AverageResult
  for (i in y){
    x = is.numeric(i)
    if (x == TRUE){
      y1 <- min(dataframe$AverageResult)
      y2 <- max(dataframe$AverageResult)
      y3 <- mean(dataframe$AverageResult)
      y4 <- sd(dataframe$AverageResult)
      y5 <- var(dataframe$AverageResult)

      return(c(y1, y2, y3, y4, y5))
    }
    else
      cat("The column is not numeric")
      {break}
  }
}

y <- dataframe$Result
variable <- find_num(y)
print(variable)

```

```
## [1] 21.00000 84.60000 50.57333 12.76721 163.00170
```

6. Create a column that stores the sum of the current and next rows subject marks. If it does not have a row ahead add the value from previous row.

```

# emp_var <- c()
#
# for (i in 1:nrow(dataframe)){
#   if (is.na(dataframe$Subject.1[i+1]) == F){
#     emp_vec <- append(emp_vec, (dataframe$Subject.1[i] + dataframe$Subject.1[i+1]))
#   }
#   else
#     emp_vec <- append(emp_vec, (dataframe$Subject.1[i] + dataframe$Subject.1[i-1]))
# }
#
# emp_vec

# dataframe$SumCurr <- emp_vec

```

#Second method

```
# emp_vec <- c()
#
# sum_curr <- function(y){
#   y <- dataframe$Subject.1
#   for (i in y){
#     z <- is.na(i+1)
#     if (z == FALSE){
#       y[i] <- y[i] + y[i+1]
#       emp_var <- append(emp_vec, y[i])
#     }
#     else
#       y[i] <- y[i] + y[i-1]
#       emp_var <- append(emp_vec, y[i])
#   }
# }
#
# y <- dataframe$Subject.1
# variable2 <- sum_curr(y)
# print(variable2)
#
# emp_vec
```

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Class: 2BSc DS A
R for Analytics
Lab 6

1. Create a vector with 1000 observations that holds the serial number of the records from 1 to 1000.

```
srno_rec <- seq(from = 1, to = 1000)
srno_rec
```

```
## [1] 1 2 3 4 5 6 7 8 9 10 11 12 13 14
## [15] 15 16 17 18 19 20 21 22 23 24 25 26 27 28
## [29] 29 30 31 32 33 34 35 36 37 38 39 40 41 42
## [43] 43 44 45 46 47 48 49 50 51 52 53 54 55 56
## [57] 57 58 59 60 61 62 63 64 65 66 67 68 69 70
## [71] 71 72 73 74 75 76 77 78 79 80 81 82 83 84
## [85] 85 86 87 88 89 90 91 92 93 94 95 96 97 98
## [99] 99 100 101 102 103 104 105 106 107 108 109 110 111 112
## [113] 113 114 115 116 117 118 119 120 121 122 123 124 125 126
## [127] 127 128 129 130 131 132 133 134 135 136 137 138 139 140
## [141] 141 142 143 144 145 146 147 148 149 150 151 152 153 154
## [155] 155 156 157 158 159 160 161 162 163 164 165 166 167 168
## [169] 169 170 171 172 173 174 175 176 177 178 179 180 181 182
## [183] 183 184 185 186 187 188 189 190 191 192 193 194 195 196
## [197] 197 198 199 200 201 202 203 204 205 206 207 208 209 210
## [211] 211 212 213 214 215 216 217 218 219 220 221 222 223 224
## [225] 225 226 227 228 229 230 231 232 233 234 235 236 237 238
## [239] 239 240 241 242 243 244 245 246 247 248 249 250 251 252
## [253] 253 254 255 256 257 258 259 260 261 262 263 264 265 266
## [267] 267 268 269 270 271 272 273 274 275 276 277 278 279 280
## [281] 281 282 283 284 285 286 287 288 289 290 291 292 293 294
## [295] 295 296 297 298 299 300 301 302 303 304 305 306 307 308
## [309] 309 310 311 312 313 314 315 316 317 318 319 320 321 322
## [323] 323 324 325 326 327 328 329 330 331 332 333 334 335 336
## [337] 337 338 339 340 341 342 343 344 345 346 347 348 349 350
## [351] 351 352 353 354 355 356 357 358 359 360 361 362 363 364
## [365] 365 366 367 368 369 370 371 372 373 374 375 376 377 378
## [379] 379 380 381 382 383 384 385 386 387 388 389 390 391 392
## [393] 393 394 395 396 397 398 399 400 401 402 403 404 405 406
## [407] 407 408 409 410 411 412 413 414 415 416 417 418 419 420
## [421] 421 422 423 424 425 426 427 428 429 430 431 432 433 434
## [435] 435 436 437 438 439 440 441 442 443 444 445 446 447 448
## [449] 449 450 451 452 453 454 455 456 457 458 459 460 461 462
## [463] 463 464 465 466 467 468 469 470 471 472 473 474 475 476
## [477] 477 478 479 480 481 482 483 484 485 486 487 488 489 490
## [491] 491 492 493 494 495 496 497 498 499 500 501 502 503 504
## [505] 505 506 507 508 509 510 511 512 513 514 515 516 517 518
## [519] 519 520 521 522 523 524 525 526 527 528 529 530 531 532
## [533] 533 534 535 536 537 538 539 540 541 542 543 544 545 546
## [547] 547 548 549 550 551 552 553 554 555 556 557 558 559 560
## [561] 561 562 563 564 565 566 567 568 569 570 571 572 573 574
```

```

## [575] 575 576 577 578 579 580 581 582 583 584 585 586 587 588
## [589] 589 590 591 592 593 594 595 596 597 598 599 600 601 602
## [603] 603 604 605 606 607 608 609 610 611 612 613 614 615 616
## [617] 617 618 619 620 621 622 623 624 625 626 627 628 629 630
## [631] 631 632 633 634 635 636 637 638 639 640 641 642 643 644
## [645] 645 646 647 648 649 650 651 652 653 654 655 656 657 658
## [659] 659 660 661 662 663 664 665 666 667 668 669 670 671 672
## [673] 673 674 675 676 677 678 679 680 681 682 683 684 685 686
## [687] 687 688 689 690 691 692 693 694 695 696 697 698 699 700
## [701] 701 702 703 704 705 706 707 708 709 710 711 712 713 714
## [715] 715 716 717 718 719 720 721 722 723 724 725 726 727 728
## [729] 729 730 731 732 733 734 735 736 737 738 739 740 741 742
## [743] 743 744 745 746 747 748 749 750 751 752 753 754 755 756
## [757] 757 758 759 760 761 762 763 764 765 766 767 768 769 770
## [771] 771 772 773 774 775 776 777 778 779 780 781 782 783 784
## [785] 785 786 787 788 789 790 791 792 793 794 795 796 797 798
## [799] 799 800 801 802 803 804 805 806 807 808 809 810 811 812
## [813] 813 814 815 816 817 818 819 820 821 822 823 824 825 826
## [827] 827 828 829 830 831 832 833 834 835 836 837 838 839 840
## [841] 841 842 843 844 845 846 847 848 849 850 851 852 853 854
## [855] 855 856 857 858 859 860 861 862 863 864 865 866 867 868
## [869] 869 870 871 872 873 874 875 876 877 878 879 880 881 882
## [883] 883 884 885 886 887 888 889 890 891 892 893 894 895 896
## [897] 897 898 899 900 901 902 903 904 905 906 907 908 909 910
## [911] 911 912 913 914 915 916 917 918 919 920 921 922 923 924
## [925] 925 926 927 928 929 930 931 932 933 934 935 936 937 938
## [939] 939 940 941 942 943 944 945 946 947 948 949 950 951 952
## [953] 953 954 955 956 957 958 959 960 961 962 963 964 965 966
## [967] 967 968 969 970 971 972 973 974 975 976 977 978 979 980
## [981] 981 982 983 984 985 986 987 988 989 990 991 992 993 994
## [995] 995 996 997 998 999 1000

```

2. Create a vector with 1000 observations that holds the delivery location from the following Delhi,Bangalore, Pune, Chennai and Mumbai.

```

set.seed(25)
del_loc <- sample(c("Delhi", "Bangalore", "Chennai", "Mumbai", "Pune"), 1000, rep = T)
del_loc

## [1] "Mumbai"   "Chennai"   "Delhi"     "Delhi"     "Delhi"     "Bangalore"
## [7] "Pune"      "Chennai"   "Delhi"     "Pune"      "Delhi"     "Chennai"
## [13] "Bangalore" "Pune"      "Mumbai"    "Delhi"     "Bangalore" "Delhi"
## [19] "Pune"      "Mumbai"    "Delhi"     "Mumbai"    "Mumbai"    "Pune"
## [25] "Mumbai"    "Mumbai"    "Chennai"   "Mumbai"    "Mumbai"    "Chennai"
## [31] "Pune"      "Chennai"   "Delhi"     "Chennai"   "Delhi"     "Mumbai"
## [37] "Bangalore" "Delhi"     "Chennai"   "Delhi"     "Bangalore" "Delhi"
## [43] "Pune"      "Chennai"   "Chennai"   "Pune"     "Chennai"   "Delhi"
## [49] "Pune"      "Chennai"   "Pune"     "Pune"     "Bangalore" "Bangalore"
## [55] "Bangalore" "Mumbai"    "Pune"     "Mumbai"   "Bangalore" "Delhi"
## [61] "Pune"      "Pune"      "Bangalore" "Delhi"    "Chennai"   "Chennai"
## [67] "Pune"      "Chennai"   "Delhi"    "Chennai"  "Delhi"     "Delhi"
## [73] "Chennai"   "Mumbai"    "Chennai"   "Chennai"  "Chennai"   "Delhi"
## [79] "Bangalore" "Chennai"   "Delhi"    "Mumbai"   "Pune"     "Delhi"

```

```

## [85] "Chennai" "Banglore" "Mumbai" "Delhi" "Banglore" "Banglore"
## [91] "Banglore" "Chennai" "Chennai" "Pune" "Chennai" "Chennai"
## [97] "Pune" "Chennai" "Chennai" "Delhi" "Chennai" "Mumbai"
## [103] "Chennai" "Mumbai" "Delhi" "Pune" "Pune" "Pune"
## [109] "Chennai" "Pune" "Banglore" "Delhi" "Delhi" "Mumbai"
## [115] "Pune" "Delhi" "Delhi" "Mumbai" "Pune" "Chennai"
## [121] "Pune" "Pune" "Pune" "Pune" "Chennai" "Chennai"
## [127] "Mumbai" "Chennai" "Chennai" "Chennai" "Mumbai" "Pune"
## [133] "Banglore" "Banglore" "Banglore" "Pune" "Pune" "Delhi"
## [139] "Mumbai" "Banglore" "Delhi" "Delhi" "Banglore" "Pune"
## [145] "Pune" "Chennai" "Mumbai" "Delhi" "Mumbai" "Pune"
## [151] "Delhi" "Mumbai" "Banglore" "Mumbai" "Banglore" "Mumbai"
## [157] "Banglore" "Pune" "Pune" "Pune" "Mumbai" "Delhi"
## [163] "Delhi" "Banglore" "Mumbai" "Mumbai" "Mumbai" "Chennai"
## [169] "Chennai" "Delhi" "Chennai" "Delhi" "Chennai" "Pune"
## [175] "Chennai" "Delhi" "Delhi" "Delhi" "Delhi" "Pune"
## [181] "Delhi" "Delhi" "Banglore" "Delhi" "Banglore" "Chennai"
## [187] "Pune" "Banglore" "Delhi" "Pune" "Mumbai" "Banglore"
## [193] "Delhi" "Pune" "Pune" "Pune" "Pune" "Mumbai"
## [199] "Chennai" "Chennai" "Delhi" "Banglore" "Mumbai" "Pune"
## [205] "Banglore" "Pune" "Chennai" "Pune" "Banglore" "Banglore"
## [211] "Pune" "Pune" "Mumbai" "Mumbai" "Delhi" "Pune"
## [217] "Mumbai" "Pune" "Pune" "Pune" "Mumbai" "Delhi"
## [223] "Mumbai" "Delhi" "Mumbai" "Banglore" "Pune" "Pune"
## [229] "Pune" "Pune" "Chennai" "Delhi" "Chennai" "Pune"
## [235] "Chennai" "Delhi" "Banglore" "Delhi" "Mumbai" "Delhi"
## [241] "Mumbai" "Delhi" "Banglore" "Chennai" "Pune" "Pune"
## [247] "Delhi" "Pune" "Pune" "Chennai" "Banglore" "Chennai"
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## [385] "Banglore" "Chennai" "Pune" "Chennai" "Mumbai" "Chennai"
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## [397] "Banglore" "Mumbai" "Delhi" "Delhi" "Mumbai" "Banglore"
## [403] "Chennai" "Mumbai" "Mumbai" "Pune" "Banglore" "Delhi"

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## [409] "Mumbai"   "Pune"      "Delhi"     "Pune"      "Mumbai"   "Mumbai"
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## [457] "Chennai"   "Banglore"  "Pune"      "Pune"      "Mumbai"   "Delhi"
## [463] "Mumbai"    "Mumbai"    "Banglore"  "Mumbai"    "Delhi"    "Delhi"
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## [475] "Mumbai"    "Chennai"   "Delhi"     "Pune"      "Pune"    "Banglore"
## [481] "Banglore"  "Mumbai"    "Banglore"  "Pune"      "Chennai"  "Chennai"
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## [499] "Pune"       "Delhi"     "Banglore"  "Pune"      "Chennai"  "Delhi"
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## [517] "Banglore"  "Pune"      "Pune"      "Pune"      "Delhi"    "Delhi"
## [523] "Chennai"   "Banglore"  "Pune"      "Pune"      "Pune"    "Chennai"
## [529] "Delhi"      "Mumbai"    "Banglore"  "Chennai"   "Banglore" "Banglore"
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## [565] "Banglore"  "Pune"      "Mumbai"    "Chennai"   "Banglore" "Mumbai"
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## [577] "Mumbai"    "Pune"      "Chennai"   "Pune"      "Chennai"  "Chennai"
## [583] "Mumbai"    "Delhi"     "Pune"      "Pune"      "Banglore" "Pune"
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## [601] "Chennai"   "Delhi"     "Mumbai"    "Delhi"     "Mumbai"   "Banglore"
## [607] "Banglore"  "Pune"      "Pune"      "Mumbai"   "Chennai"  "Delhi"
## [613] "Pune"       "Delhi"     "Mumbai"    "Banglore"  "Pune"    "Pune"
## [619] "Pune"       "Delhi"     "Pune"      "Banglore"  "Mumbai"   "Chennai"
## [625] "Mumbai"    "Pune"      "Pune"      "Delhi"    "Delhi"    "Pune"
## [631] "Chennai"   "Banglore"  "Chennai"   "Pune"      "Delhi"    "Chennai"
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## [643] "Mumbai"    "Chennai"   "Chennai"   "Mumbai"    "Pune"    "Mumbai"
## [649] "Banglore"  "Banglore"  "Banglore"  "Pune"      "Pune"    "Delhi"
## [655] "Delhi"      "Mumbai"    "Delhi"     "Chennai"   "Chennai"  "Banglore"
## [661] "Banglore"  "Chennai"   "Banglore"  "Banglore"  "Banglore" "Chennai"
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## [679] "Chennai"   "Delhi"     "Mumbai"    "Banglore"  "Banglore" "Delhi"
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## [703] "Mumbai"    "Mumbai"    "Banglore"  "Chennai"  "Banglore" "Pune"
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## [727] "Delhi"      "Pune"      "Banglore"  "Mumbai"   "Chennai"  "Banglore"

```

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## [733] "Mumbai"    "Mumbai"    "Chennai"   "Chennai"   "Mumbai"    "Mumbai"
## [739] "Banglore"   "Mumbai"    "Pune"      "Pune"      "Mumbai"    "Pune"
## [745] "Delhi"      "Delhi"     "Delhi"     "Banglore"  "Pune"      "Pune"
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## [775] "Delhi"      "Mumbai"   "Pune"     "Delhi"    "Banglore"  "Delhi"
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## [793] "Chennai"   "Delhi"     "Delhi"     "Mumbai"   "Pune"      "Delhi"
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## [901] "Banglore"  "Chennai"  "Delhi"    "Delhi"   "Delhi"    "Banglore"
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## [991] "Chennai"   "Banglore" "Chennai"  "Chennai" "Chennai"   "Delhi"
## [997] "Chennai"   "Chennai"  "Delhi"   "Banglore"

```

3. Create a vector with the product ID that is of the format xxxx. The IDs range from 1000 to 5000.

```

set.seed(25)
prod_id <- sample(1000:5000, 1000)
prod_id

```

```

## [1] 3694 1476 2559 2467 4120 1071 2640 1281 3106 2013 4343 2379 2728 1519

```

```

## [15] 2474 3600 3667 3583 3745 3666 1878 2972 2912 3743 4297 1664 2994 3159
## [29] 4311 1700 3408 4228 3564 2282 2892 1093 3051 2564 1131 1295 4714 3349
## [43] 4509 2342 4696 2931 1648 3452 1273 4631 2784 4789 1011 4047 4848 1513
## [57] 4464 4197 4602 4467 4787 2798 3322 2319 4937 4883 1829 1818 2851 3655
## [71] 2738 1925 4938 4665 4857 3486 3135 2425 4831 4780 1930 2415 3289 4832
## [85] 3834 4992 4241 1623 2235 1827 2866 3827 4104 3709 4579 3886 2718 3392
## [99] 3798 2832 3767 4781 2731 2196 2427 4879 3118 3087 1701 2870 2363 1859
## [113] 3248 2217 1699 3784 4548 3389 1215 1050 4032 2438 4958 1027 3023 4057
## [127] 4300 3760 2937 3473 3385 2659 4779 1482 4699 3211 1853 1410 1454 2083
## [141] 1611 4943 2504 1635 3438 1414 4069 4428 3043 2924 2774 1080 4859 2317
## [155] 2930 1494 3470 2822 4586 4026 4571 3975 1122 3457 3536 2560 2132 3490
## [169] 1760 3504 4756 2090 2051 1738 3898 4904 4082 4031 3559 1863 1291 2419
## [183] 3540 1485 4795 3254 1974 2326 4283 1839 3619 2069 4301 1250 2949 4281
## [197] 4673 3050 2042 2048 3229 4900 3535 2060 1808 4615 2264 1143 4929 2534
## [211] 2703 4417 2770 1498 4294 1095 3861 3683 3446 4013 4159 2230 1583 4023
## [225] 3397 1062 1660 1434 3030 4528 1036 2697 4741 2156 1873 2636 1865 2021
## [239] 3746 3330 4730 4564 3520 2661 2246 4369 1428 3252 2397 3932 4890 3003
## [253] 2840 1662 2627 3544 3997 4131 3062 4773 3259 1511 1144 3766 2462 3312
## [267] 1637 4919 2453 2678 4198 3104 3669 2407 4761 3432 4337 1151 4597 2424
## [281] 4804 3819 3130 1081 1880 3242 4455 2484 2161 2936 2613 4823 4170 1582
## [295] 1226 1770 1258 2035 4810 1352 2950 3636 3279 3066 3225 4102 1066 3507
## [309] 1094 4354 4438 3689 2054 1681 1087 1002 2948 4444 1800 2458 4799 2316
## [323] 1466 2546 3628 3808 3396 3288 3404 2641 4122 4490 2946 1978 1107 1856
## [337] 3178 2395 1368 4973 2536 2292 3728 3854 4204 4040 2442 3054 3543 2450
## [351] 3336 1586 2530 4099 1239 2393 4211 1375 2350 2757 1147 2821 2838 4043
## [365] 1787 2136 4768 1198 3958 4866 4367 2320 4627 2233 1733 1599 2045 4321
## [379] 1634 3093 1271 2052 1961 1043 3872 4573 2127 3257 3660 2657 1556 3311
## [393] 2430 2195 2991 4478 2820 1038 2903 1322 4744 4427 1824 4059 4356 2193
## [407] 1134 2207 2029 2970 3339 2900 4012 2115 3717 1951 4514 2923 4911 4830
## [421] 1425 3228 2792 1380 4815 3749 1802 3830 3896 3188 2377 2332 2611 1735
## [435] 3414 1289 2112 2999 3421 1305 4340 2223 1293 1747 4532 4393 3531 4258
## [449] 3539 4338 1253 2305 1626 4797 4326 2248 1773 2676 3948 3175 4412 3678
## [463] 4183 4776 3720 1650 4805 1812 4415 2525 3177 2312 3020 1370 2071 2061
## [477] 4060 2351 4460 3799 3658 3034 3996 2005 1344 4378 2887 1602 1819 4001
## [491] 2861 2268 2600 2779 3706 2729 4160 1642 4960 4792 2756 4390 2359 3069
## [505] 1312 3132 2960 4667 4145 2680 3567 3577 3790 3231 4220 2557 1916 2100
## [519] 3724 2506 4364 2358 4035 4920 2183 3527 4700 4495 3415 1955 1996 3879
## [533] 4396 3598 3331 1051 2939 2040 4809 3852 3357 1723 3863 4386 1395 4140
## [547] 4647 1870 4636 1496 1158 3089 2274 4975 3263 1409 1044 4734 4970 2656
## [561] 3876 4949 2549 2139 3284 3428 2201 4168 1292 1538 1967 1821 2632 3468
## [575] 1588 3065 3358 2714 4434 2007 1363 1512 3121 4076 4948 1573 1679 2957
## [589] 4969 4411 1199 3338 1726 1231 1989 3606 3434 4671 1206 3235 3281 2837
## [603] 3769 4489 1267 3191 4629 2299 3152 3477 4273 1943 1104 2668 2211 4245
## [617] 3718 4109 3234 2002 3570 2897 1068 2174 4925 2942 3988 2955 2772 2629
## [631] 4020 4951 4119 3083 4107 1658 3526 2418 4983 2372 1120 4108 4262 2572
## [645] 2592 2880 2582 1141 3545 2065 3022 2186 3895 3222 2149 2469 2726 2496
## [659] 4670 2294 1137 4185 1988 2313 3155 4219 4500 1491 1608 1233 2883 2095
## [673] 3864 4358 1319 1703 2589 3157 2178 2141 4565 4661 3918 4266 2688 1345
## [687] 2562 1558 3659 4758 2823 4086 1956 3868 4052 2704 4397 1166 4448 3150
## [701] 3439 3272 3359 4050 4724 4126 2482 3927 3070 3809 3366 2017 2354 3946
## [715] 1751 1304 2791 3341 4275 3025 3374 4802 4641 4808 4058 1530 1781 3221
## [729] 4259 2487 1335 1869 1076 1953 1659 4062 3929 4304 3617 4593 4899 1796
## [743] 4491 3433 3275 1108 3923 4445 1708 1460 3467 4945 2558 1713 4817 3499
## [757] 4080 3591 4646 3787 2105 1547 2706 3274 2510 3126 4732 2119 4892 3721

```

```

## [771] 3890 3007 3998 1598 1149 1755 4839 4085 2996 2593 2147 3057 1170 4618
## [785] 2508 3245 1748 2615 1919 2243 4233 3915 4470 1928 3926 4664 1618 2855
## [799] 1697 3402 1441 1237 2864 3626 2742 3393 2802 1504 2400 1369 3924 4077
## [813] 3352 1230 1195 3955 3280 3036 3821 1000 2956 1193 4221 1413 2518 2106
## [827] 1266 1559 4450 1736 4313 2740 2401 4695 1546 3674 2710 4827 4864 2973
## [841] 2144 3018 4893 4217 1676 2799 4609 1228 1698 2914 2472 1749 1174 2926
## [855] 1936 4863 4822 1942 4860 2945 2375 3757 1135 4782 3611 4066 3144 1355
## [869] 1518 2745 4251 2446 3226 1427 1844 2981 3607 2940 1871 2522 4473 2681
## [883] 4791 1337 4942 3983 3149 3482 4972 3168 1421 2852 3712 2118 1867 2411
## [897] 1593 1617 2057 1175 3817 2047 4225 4778 4090 3913 4608 3260 1567 3418
## [911] 4738 1146 3169 1709 3109 2964 3671 3995 2628 4566 2225 4990 1364 1806
## [925] 4786 1455 1782 2719 3153 2311 4681 3866 3141 1067 4723 3256 3589 4634
## [939] 2341 4800 4708 3541 3361 1687 1489 1129 1224 3719 1595 4346 3237 4713
## [953] 4862 1575 3511 4691 3204 2873 1633 4416 2943 3877 4605 4852 2219 3453
## [967] 3346 2058 1822 4783 4894 4481 2455 4740 4218 2153 3873 1361 1997 2417
## [981] 1379 2215 1632 2365 3422 1246 3049 4223 2239 1983 3523 4628 2270 4307
## [995] 2454 1403 2389 4554 1332 3641

```

4. Create a vector with the discount percentage which range from 4% to 34%.

```

set.seed(25)
disc_per <- as.numeric(sample(4:34, 1000, rep = T))
disc_per

## [1] 10 32 27 31 28 20 11 12 29 30 25 19 7 4 11 6 12 15 27 29 14 18 24 28
## [25] 27 5 28 14 19 19 32 12 32 8 6 8 33 32 7 16 32 7 11 6 15 17 25 34
## [49] 20 15 12 24 21 19 28 17 15 11 12 5 12 33 22 15 15 10 22 11 11 15 20 33
## [73] 22 31 14 33 22 21 21 26 27 21 27 8 6 32 11 21 28 22 30 13 12 19 23 31
## [97] 14 15 4 17 25 31 10 26 28 18 12 19 9 7 16 23 33 11 10 11 33 18 23 31
## [121] 12 5 31 4 32 25 27 22 28 34 25 31 11 21 8 12 21 13 21 31 7 6 23 7
## [145] 25 30 10 31 7 33 4 31 10 34 33 8 31 8 18 20 33 9 14 18 10 34 6 22
## [169] 23 30 29 12 28 16 10 30 28 12 16 6 31 6 22 26 14 27 30 7 15 16 9 23
## [193] 18 18 27 18 23 11 31 17 9 32 19 30 33 21 29 13 6 22 28 25 19 11 8 5
## [217] 11 12 20 19 33 34 11 29 14 22 34 17 31 32 18 12 9 27 18 11 19 33 34 24
## [241] 22 18 12 8 5 33 8 13 8 5 33 30 30 22 16 28 33 34 28 13 16 16 25 24
## [265] 23 23 34 34 20 26 31 20 25 31 18 22 23 20 18 26 12 33 20 11 17 18 34 28
## [289] 17 30 4 12 13 27 17 20 29 7 22 21 20 6 16 13 20 17 34 27 6 10 6 6
## [313] 6 24 15 31 4 34 29 16 11 22 21 34 6 15 34 30 18 5 34 13 33 22 27 6
## [337] 32 24 4 22 19 8 22 22 14 8 28 32 20 8 13 22 6 30 22 15 28 23 6 23
## [361] 20 21 19 4 17 16 12 10 8 4 29 31 6 10 19 14 4 14 30 31 19 21 15 27
## [385] 10 33 23 33 18 7 23 20 22 10 18 16 11 12 15 21 33 27 25 29 30 17 19 32
## [409] 5 15 28 25 11 21 8 29 16 11 26 15 11 26 32 10 19 6 25 7 28 23 34 32
## [433] 13 10 28 27 9 22 7 16 20 8 31 33 27 30 7 31 34 32 13 24 4 32 18 33
## [457] 6 18 16 20 16 5 24 15 18 5 28 19 25 21 16 11 29 9 15 16 5 7 30 15
## [481] 6 14 16 33 8 29 22 8 34 4 9 16 8 24 26 19 33 4 14 33 21 16 27 25
## [505] 5 4 8 22 19 9 24 18 31 11 8 19 6 22 24 17 28 22 30 23 29 9 24 4
## [529] 23 22 5 28 6 33 32 10 34 25 19 29 25 28 24 12 22 13 20 11 21 23 29 10
## [553] 24 27 24 25 24 27 21 16 8 6 8 18 31 6 34 24 19 31 32 8 8 10 20 31
## [577] 23 23 25 15 20 17 8 4 7 33 25 5 11 23 19 30 15 8 31 10 23 20 21 34
## [601] 13 30 28 27 29 16 33 12 28 32 29 17 23 16 32 30 21 4 8 30 11 25 4 22
## [625] 8 16 21 26 33 22 21 12 19 15 17 4 13 8 15 33 11 9 32 23 11 7 12 6
## [649] 20 26 11 33 18 6 13 18 31 13 17 18 18 24 21 21 15 19 12 23 12 17 13 17
## [673] 15 19 12 8 31 17 34 9 30 14 14 13 8 26 26 26 16 7 16 33 16 16 19 7

```

```

## [697] 7 27 29 22 34 14 27 32 28 8 24 34 13 8 28 28 18 7 17 21 13 5 10 6
## [721] 19 18 30 19 24 33 33 7 34 28 22 18 30 13 21 32 5 22 15 27 23 32 30 15
## [745] 26 4 13 31 11 20 31 34 7 25 17 30 16 25 5 19 10 6 33 28 29 30 18 7
## [769] 28 18 32 24 16 33 12 21 10 30 10 11 4 27 14 5 33 18 26 14 19 26 29 34
## [793] 16 29 26 14 6 30 20 19 20 9 15 13 10 22 33 10 22 22 17 17 31 20 19 19
## [817] 9 16 29 23 26 21 21 29 27 29 9 32 28 4 23 21 20 5 7 16 5 15 29 8
## [841] 16 7 5 26 13 9 7 12 4 26 19 28 7 21 7 14 6 10 18 13 17 33 7 5
## [865] 14 27 32 26 26 25 23 17 13 16 29 31 13 14 5 8 9 16 19 27 34 30 7 30
## [889] 31 7 8 4 18 18 6 14 29 6 29 17 12 6 18 29 14 28 28 21 31 16 9 20
## [913] 10 7 15 12 24 9 4 8 5 29 33 18 22 14 32 10 23 19 34 4 6 12 18 16
## [937] 29 26 34 6 33 22 18 6 25 25 25 28 6 11 5 8 31 11 11 33 11 9 8 30
## [961] 30 4 17 18 10 12 30 18 11 7 29 9 11 18 23 30 4 7 10 6 21 16 10 30
## [985] 22 15 16 23 33 15 19 24 11 22 24 21 21 34 33 21

```

5. Create a vector with the reviews of the items that range from 0.0 to 5.0.

```

set.seed(25)
review <- sample(seq(from = 0, to = 5, by = 0.1), 1000, replace = T)
review

## [1] 0.6 2.8 2.3 2.4 4.8 0.7 4.0 2.5 1.5 3.5 0.0 0.7 0.2 4.0 4.3 2.3 4.2 4.6
## [19] 3.3 2.4 1.0 4.7 4.7 4.0 2.8 0.4 0.2 3.6 2.9 0.3 4.4 2.8 0.3 3.9 0.2 1.1
## [37] 4.5 4.8 1.1 0.8 2.0 1.7 4.7 1.3 1.1 3.9 0.8 0.1 0.8 1.8 1.1 1.1 0.6 1.8
## [55] 3.9 3.9 4.3 4.8 5.0 3.1 1.0 2.9 1.8 1.7 1.7 2.3 1.7 0.4 3.4 2.8 0.7 4.9
## [73] 1.8 4.1 0.8 4.7 1.9 1.0 1.1 3.2 1.3 2.1 0.6 2.4 4.6 4.0 1.5 0.5 0.3 4.4
## [91] 1.9 2.9 3.9 0.6 3.9 1.4 1.9 2.7 0.8 0.1 3.2 2.8 2.1 2.3 5.0 2.4 3.0 2.7
## [109] 3.9 4.9 3.6 0.8 1.7 4.1 1.7 0.3 3.4 3.5 2.1 2.6 0.6 3.5 3.2 0.6 3.0 3.6
## [127] 0.4 4.6 1.6 3.7 1.0 4.6 3.8 3.0 0.2 1.8 3.1 2.5 4.0 2.4 4.4 3.8 0.8 4.4
## [145] 0.2 2.7 3.4 1.8 1.0 2.3 2.6 3.1 3.5 1.1 4.4 3.7 1.9 1.4 1.4 4.6 1.9 0.7
## [163] 4.5 3.7 4.7 2.9 1.7 2.5 4.1 0.2 1.8 2.4 1.5 3.9 3.6 0.1 3.9 4.0 3.1 4.8
## [181] 1.5 2.9 3.9 2.5 4.2 5.0 3.0 3.1 4.5 1.4 0.8 0.5 2.3 1.4 0.7 1.5 2.9 2.0
## [199] 5.0 4.6 0.8 3.6 3.3 2.9 0.4 4.1 3.6 3.3 2.6 1.8 4.4 2.4 3.0 4.1 4.4 1.2
## [217] 1.9 1.9 3.0 3.0 4.8 2.2 2.7 4.8 1.4 5.0 1.9 1.6 1.4 0.8 4.8 0.7 4.5 1.4
## [235] 4.5 2.6 0.0 4.0 0.9 2.3 1.3 1.6 2.5 0.3 1.8 1.7 4.8 0.2 1.2 0.9 1.6 1.3
## [253] 2.3 3.4 0.6 3.4 0.2 0.2 1.1 3.2 3.0 2.5 1.2 3.9 1.8 4.9 3.0 0.2 1.1 3.0
## [271] 2.6 4.6 0.1 3.0 4.1 5.0 2.3 0.2 2.8 3.2 5.0 1.5 3.6 1.8 5.0 1.0 0.4 2.8
## [289] 4.8 3.6 4.1 5.0 3.4 2.6 1.8 4.3 2.4 0.2 4.8 4.9 4.7 0.0 1.3 1.2 4.0 3.8
## [307] 0.4 3.2 2.5 3.4 0.6 4.7 4.2 3.2 1.0 2.7 4.7 4.9 1.1 0.6 2.9 1.9 2.9 4.6
## [325] 3.5 1.9 4.8 5.0 0.6 1.4 1.2 3.9 4.0 4.3 1.7 2.9 2.3 2.1 4.5 1.5 2.8 0.1
## [343] 4.3 3.9 1.7 3.6 4.4 0.7 2.2 4.3 0.7 2.2 2.8 3.8 4.7 0.2 3.5 2.8 4.1 0.6
## [361] 0.5 5.0 3.5 4.4 4.8 0.4 2.7 2.9 0.3 3.0 4.1 0.0 1.4 3.4 1.4 4.4 1.6 1.2
## [379] 3.3 1.1 3.1 4.6 3.3 2.4 1.5 4.9 1.2 0.7 2.5 3.7 4.3 1.2 0.1 3.5 4.3 0.2
## [397] 1.0 4.4 3.6 2.5 5.0 3.6 3.2 0.5 3.1 1.2 0.4 2.0 4.7 2.9 3.2 1.0 2.9 1.7
## [415] 4.4 2.3 0.1 3.2 3.6 5.0 4.7 3.7 4.6 0.7 0.4 4.7 3.4 5.0 4.5 2.4 5.0 3.1
## [433] 2.6 0.5 0.0 1.8 0.1 2.4 0.2 2.9 2.8 3.8 2.1 1.5 2.5 2.1 2.0 4.0 1.8 0.9
## [451] 1.6 0.7 1.7 2.5 3.8 2.0 2.0 2.1 2.0 2.3 1.7 1.2 3.6 3.4 3.6 1.4 2.7 3.4
## [469] 3.1 3.1 3.0 2.0 4.7 3.6 0.4 3.8 1.6 2.7 1.9 2.1 4.3 1.6 4.5 3.6 0.0 3.5
## [487] 2.9 3.3 0.7 1.9 4.7 1.1 0.4 2.7 3.8 1.9 4.8 1.7 3.0 4.1 2.4 2.3 2.5 4.4
## [505] 4.0 2.5 1.3 4.4 2.6 4.9 3.2 3.6 2.6 0.7 3.2 5.0 3.6 1.2 1.7 2.9 5.0 4.9
## [523] 4.0 4.7 4.3 4.5 0.0 0.9 0.4 1.1 3.9 3.7 2.8 1.9 0.7 3.5 4.0 3.4 4.8 2.2
## [541] 3.9 2.9 4.6 0.2 4.1 1.4 4.1 4.5 4.6 1.4 1.7 1.7 1.1 1.5 4.0 1.9 4.0 4.5
## [559] 0.9 4.5 1.1 4.7 4.0 0.4 4.5 3.0 3.7 4.2 1.0 4.1 0.4 2.2 2.2 4.4 3.5 4.4
## [577] 2.9 1.2 1.2 4.7 3.5 3.5 2.5 1.8 3.0 1.0 2.3 2.8 3.6 0.9 3.6 2.4 4.6 0.3

```

```

## [595] 1.3 4.9 4.1 0.1 3.8 3.4 1.5 4.6 2.6 1.5 2.0 3.5 2.4 5.0 1.4 2.6 0.9 4.9
## [613] 2.8 3.3 5.0 4.3 2.3 1.9 2.8 4.3 2.2 3.2 4.1 2.7 0.7 4.8 2.7 3.5 4.5 2.6
## [631] 4.4 3.3 4.7 3.8 0.2 2.4 2.5 2.6 4.6 3.5 2.4 3.1 1.4 4.4 2.9 4.0 1.7 3.8
## [649] 3.8 0.7 3.2 4.2 3.3 2.9 4.6 1.0 4.7 2.2 1.2 1.0 0.2 1.6 4.7 4.8 3.7 1.1
## [667] 4.1 0.6 1.8 2.9 3.8 5.0 1.8 1.3 4.5 4.8 1.5 1.5 3.7 1.2 1.9 4.9 1.7 2.5
## [685] 0.5 2.8 0.0 1.7 1.6 0.1 3.5 4.4 0.1 4.3 2.5 0.4 1.2 3.5 0.1 2.2 0.9 3.7
## [703] 0.3 0.8 3.1 0.0 2.2 4.7 3.5 1.7 3.5 4.2 3.4 3.8 1.4 0.9 4.5 3.1 0.3 3.3
## [721] 1.0 2.3 2.2 2.1 3.1 1.3 4.1 1.2 0.9 4.2 0.1 3.6 0.5 4.4 1.5 2.3 3.0 2.6
## [739] 0.3 2.6 2.7 3.1 3.5 3.6 3.2 4.6 4.6 0.2 4.2 3.4 4.5 0.8 3.1 0.2 1.4 2.5
## [757] 1.0 4.9 2.7 4.4 0.5 4.8 3.8 0.3 1.1 4.0 0.5 0.0 3.6 0.1 2.9 4.6 1.8 1.0
## [775] 2.8 0.6 4.7 3.0 3.2 3.4 4.0 4.6 1.2 3.0 3.4 2.9 5.0 4.6 3.4 2.1 3.4 3.9
## [793] 0.1 3.6 0.7 0.7 0.5 3.6 0.0 4.5 4.6 0.6 4.0 2.6 4.6 3.9 3.5 2.5 3.1
## [811] 0.5 0.7 1.4 3.2 3.5 0.6 0.2 1.7 1.2 3.8 5.0 4.3 1.2 1.9 4.3 4.7 2.0 3.9
## [829] 5.0 2.0 4.9 1.7 1.7 1.8 4.7 3.9 3.7 5.0 2.4 3.7 2.4 3.0 3.5 0.3 1.7 4.1
## [847] 4.3 4.1 3.3 4.7 0.1 2.3 0.7 1.8 3.3 2.2 2.0 5.0 1.6 1.8 2.4 0.5 2.0 4.4
## [865] 4.7 3.2 2.8 4.6 0.9 3.3 2.4 4.4 3.8 1.0 0.7 3.5 1.4 4.1 1.9 3.1 5.0 1.9
## [883] 0.8 5.0 2.9 0.3 2.3 2.4 1.6 2.9 5.0 4.6 4.5 4.7 4.1 0.1 3.2 3.1 1.9 2.2
## [901] 3.9 0.5 1.2 0.6 1.5 4.6 2.8 1.7 1.1 2.6 1.1 2.5 2.3 2.7 0.3 3.1 2.1 4.2
## [919] 3.4 0.7 0.6 1.9 3.4 4.7 1.9 4.2 0.1 4.1 3.7 0.9 3.5 2.1 1.5 1.0 0.1 4.4
## [937] 2.3 2.3 2.7 1.7 2.8 4.6 1.9 4.5 3.5 1.2 0.4 1.7 2.8 5.0 1.4 0.6 4.7 4.2
## [955] 0.0 3.2 4.0 2.2 0.1 1.8 1.0 2.3 0.4 0.1 4.4 0.5 3.1 1.0 1.6 4.9 4.8 3.2
## [973] 3.9 2.8 4.2 1.4 4.8 2.1 0.7 4.4 3.6 5.0 3.9 0.2 0.4 1.6 3.7 2.0 1.7 4.0
## [991] 2.8 4.2 4.8 3.4 1.0 0.2 3.9 3.7 4.2 2.2

```

6. Use the above vectors to create a dataframe named as amazon reviews.

```

amazon_reviews <- data.frame("Serial.No" = srno_rec, "Delivery.Location" = del_loc, "Product.ID" = prod_id)
amazon_reviews

```

##	Serial.No	Delivery.Location	Product.ID	Discount	Review
## 1	1	Mumbai	3694	10	0.6
## 2	2	Chennai	1476	32	2.8
## 3	3	Delhi	2559	27	2.3
## 4	4	Delhi	2467	31	2.4
## 5	5	Delhi	4120	28	4.8
## 6	6	Banglore	1071	20	0.7
## 7	7	Pune	2640	11	4.0
## 8	8	Chennai	1281	12	2.5
## 9	9	Delhi	3106	29	1.5
## 10	10	Pune	2013	30	3.5
## 11	11	Delhi	4343	25	0.0
## 12	12	Chennai	2379	19	0.7
## 13	13	Banglore	2728	7	0.2
## 14	14	Pune	1519	4	4.0
## 15	15	Mumbai	2474	11	4.3
## 16	16	Delhi	3600	6	2.3
## 17	17	Banglore	3667	12	4.2
## 18	18	Delhi	3583	15	4.6
## 19	19	Pune	3745	27	3.3
## 20	20	Mumbai	3666	29	2.4
## 21	21	Delhi	1878	14	1.0
## 22	22	Mumbai	2972	18	4.7
## 23	23	Mumbai	2912	24	4.7

## 24	24	Pune	3743	28	4.0
## 25	25	Mumbai	4297	27	2.8
## 26	26	Mumbai	1664	5	0.4
## 27	27	Chennai	2994	28	0.2
## 28	28	Mumbai	3159	14	3.6
## 29	29	Mumbai	4311	19	2.9
## 30	30	Chennai	1700	19	0.3
## 31	31	Pune	3408	32	4.4
## 32	32	Chennai	4228	12	2.8
## 33	33	Delhi	3564	32	0.3
## 34	34	Chennai	2282	8	3.9
## 35	35	Delhi	2892	6	0.2
## 36	36	Mumbai	1093	8	1.1
## 37	37	Banglore	3051	33	4.5
## 38	38	Delhi	2564	32	4.8
## 39	39	Chennai	1131	7	1.1
## 40	40	Delhi	1295	16	0.8
## 41	41	Banglore	4714	32	2.0
## 42	42	Delhi	3349	7	1.7
## 43	43	Pune	4509	11	4.7
## 44	44	Chennai	2342	6	1.3
## 45	45	Chennai	4696	15	1.1
## 46	46	Pune	2931	17	3.9
## 47	47	Chennai	1648	25	0.8
## 48	48	Delhi	3452	34	0.1
## 49	49	Pune	1273	20	0.8
## 50	50	Chennai	4631	15	1.8
## 51	51	Pune	2784	12	1.1
## 52	52	Pune	4789	24	1.1
## 53	53	Banglore	1011	21	0.6
## 54	54	Banglore	4047	19	1.8
## 55	55	Banglore	4848	28	3.9
## 56	56	Mumbai	1513	17	3.9
## 57	57	Pune	4464	15	4.3
## 58	58	Mumbai	4197	11	4.8
## 59	59	Banglore	4602	12	5.0
## 60	60	Delhi	4467	5	3.1
## 61	61	Pune	4787	12	1.0
## 62	62	Pune	2798	33	2.9
## 63	63	Banglore	3322	22	1.8
## 64	64	Delhi	2319	15	1.7
## 65	65	Chennai	4937	15	1.7
## 66	66	Chennai	4883	10	2.3
## 67	67	Pune	1829	22	1.7
## 68	68	Chennai	1818	11	0.4
## 69	69	Delhi	2851	11	3.4
## 70	70	Chennai	3655	15	2.8
## 71	71	Delhi	2738	20	0.7
## 72	72	Delhi	1925	33	4.9
## 73	73	Chennai	4938	22	1.8
## 74	74	Mumbai	4665	31	4.1
## 75	75	Chennai	4857	14	0.8
## 76	76	Chennai	3486	33	4.7
## 77	77	Chennai	3135	22	1.9

## 78	78	Delhi	2425	21	1.0
## 79	79	Banglore	4831	21	1.1
## 80	80	Chennai	4780	26	3.2
## 81	81	Delhi	1930	27	1.3
## 82	82	Mumbai	2415	21	2.1
## 83	83	Pune	3289	27	0.6
## 84	84	Delhi	4832	8	2.4
## 85	85	Chennai	3834	6	4.6
## 86	86	Banglore	4992	32	4.0
## 87	87	Mumbai	4241	11	1.5
## 88	88	Delhi	1623	21	0.5
## 89	89	Banglore	2235	28	0.3
## 90	90	Banglore	1827	22	4.4
## 91	91	Banglore	2866	30	1.9
## 92	92	Chennai	3827	13	2.9
## 93	93	Chennai	4104	12	3.9
## 94	94	Pune	3709	19	0.6
## 95	95	Chennai	4579	23	3.9
## 96	96	Chennai	3886	31	1.4
## 97	97	Pune	2718	14	1.9
## 98	98	Chennai	3392	15	2.7
## 99	99	Chennai	3798	4	0.8
## 100	100	Delhi	2832	17	0.1
## 101	101	Chennai	3767	25	3.2
## 102	102	Mumbai	4781	31	2.8
## 103	103	Chennai	2731	10	2.1
## 104	104	Mumbai	2196	26	2.3
## 105	105	Delhi	2427	28	5.0
## 106	106	Pune	4879	18	2.4
## 107	107	Pune	3118	12	3.0
## 108	108	Pune	3087	19	2.7
## 109	109	Chennai	1701	9	3.9
## 110	110	Pune	2870	7	4.9
## 111	111	Banglore	2363	16	3.6
## 112	112	Delhi	1859	23	0.8
## 113	113	Delhi	3248	33	1.7
## 114	114	Mumbai	2217	11	4.1
## 115	115	Pune	1699	10	1.7
## 116	116	Delhi	3784	11	0.3
## 117	117	Delhi	4548	33	3.4
## 118	118	Mumbai	3389	18	3.5
## 119	119	Pune	1215	23	2.1
## 120	120	Chennai	1050	31	2.6
## 121	121	Pune	4032	12	0.6
## 122	122	Pune	2438	5	3.5
## 123	123	Pune	4958	31	3.2
## 124	124	Pune	1027	4	0.6
## 125	125	Chennai	3023	32	3.0
## 126	126	Chennai	4057	25	3.6
## 127	127	Mumbai	4300	27	0.4
## 128	128	Chennai	3760	22	4.6
## 129	129	Chennai	2937	28	1.6
## 130	130	Chennai	3473	34	3.7
## 131	131	Mumbai	3385	25	1.0

## 132	132	Pune	2659	31	4.6
## 133	133	Banglore	4779	11	3.8
## 134	134	Banglore	1482	21	3.0
## 135	135	Banglore	4699	8	0.2
## 136	136	Pune	3211	12	1.8
## 137	137	Pune	1853	21	3.1
## 138	138	Delhi	1410	13	2.5
## 139	139	Mumbai	1454	21	4.0
## 140	140	Banglore	2083	31	2.4
## 141	141	Delhi	1611	7	4.4
## 142	142	Delhi	4943	6	3.8
## 143	143	Banglore	2504	23	0.8
## 144	144	Pune	1635	7	4.4
## 145	145	Pune	3438	25	0.2
## 146	146	Chennai	1414	30	2.7
## 147	147	Mumbai	4069	10	3.4
## 148	148	Delhi	4428	31	1.8
## 149	149	Mumbai	3043	7	1.0
## 150	150	Pune	2924	33	2.3
## 151	151	Delhi	2774	4	2.6
## 152	152	Mumbai	1080	31	3.1
## 153	153	Banglore	4859	10	3.5
## 154	154	Mumbai	2317	34	1.1
## 155	155	Banglore	2930	33	4.4
## 156	156	Mumbai	1494	8	3.7
## 157	157	Banglore	3470	31	1.9
## 158	158	Pune	2822	8	1.4
## 159	159	Pune	4586	18	1.4
## 160	160	Pune	4026	20	4.6
## 161	161	Mumbai	4571	33	1.9
## 162	162	Delhi	3975	9	0.7
## 163	163	Delhi	1122	14	4.5
## 164	164	Banglore	3457	18	3.7
## 165	165	Mumbai	3536	10	4.7
## 166	166	Mumbai	2560	34	2.9
## 167	167	Mumbai	2132	6	1.7
## 168	168	Chennai	3490	22	2.5
## 169	169	Chennai	1760	23	4.1
## 170	170	Delhi	3504	30	0.2
## 171	171	Chennai	4756	29	1.8
## 172	172	Delhi	2090	12	2.4
## 173	173	Chennai	2051	28	1.5
## 174	174	Pune	1738	16	3.9
## 175	175	Chennai	3898	10	3.6
## 176	176	Delhi	4904	30	0.1
## 177	177	Delhi	4082	28	3.9
## 178	178	Delhi	4031	12	4.0
## 179	179	Delhi	3559	16	3.1
## 180	180	Pune	1863	6	4.8
## 181	181	Delhi	1291	31	1.5
## 182	182	Delhi	2419	6	2.9
## 183	183	Banglore	3540	22	3.9
## 184	184	Delhi	1485	26	2.5
## 185	185	Banglore	4795	14	4.2

## 186	186	Chennai	3254	27	5.0
## 187	187	Pune	1974	30	3.0
## 188	188	Banglore	2326	7	3.1
## 189	189	Delhi	4283	15	4.5
## 190	190	Pune	1839	16	1.4
## 191	191	Mumbai	3619	9	0.8
## 192	192	Banglore	2069	23	0.5
## 193	193	Delhi	4301	18	2.3
## 194	194	Pune	1250	18	1.4
## 195	195	Pune	2949	27	0.7
## 196	196	Pune	4281	18	1.5
## 197	197	Pune	4673	23	2.9
## 198	198	Mumbai	3050	11	2.0
## 199	199	Chennai	2042	31	5.0
## 200	200	Chennai	2048	17	4.6
## 201	201	Delhi	3229	9	0.8
## 202	202	Banglore	4900	32	3.6
## 203	203	Mumbai	3535	19	3.3
## 204	204	Pune	2060	30	2.9
## 205	205	Banglore	1808	33	0.4
## 206	206	Pune	4615	21	4.1
## 207	207	Chennai	2264	29	3.6
## 208	208	Pune	1143	13	3.3
## 209	209	Banglore	4929	6	2.6
## 210	210	Banglore	2534	22	1.8
## 211	211	Pune	2703	28	4.4
## 212	212	Pune	4417	25	2.4
## 213	213	Mumbai	2770	19	3.0
## 214	214	Mumbai	1498	11	4.1
## 215	215	Delhi	4294	8	4.4
## 216	216	Pune	1095	5	1.2
## 217	217	Mumbai	3861	11	1.9
## 218	218	Pune	3683	12	1.9
## 219	219	Pune	3446	20	3.0
## 220	220	Pune	4013	19	3.0
## 221	221	Mumbai	4159	33	4.8
## 222	222	Delhi	2230	34	2.2
## 223	223	Mumbai	1583	11	2.7
## 224	224	Delhi	4023	29	4.8
## 225	225	Mumbai	3397	14	1.4
## 226	226	Banglore	1062	22	5.0
## 227	227	Pune	1660	34	1.9
## 228	228	Pune	1434	17	1.6
## 229	229	Pune	3030	31	1.4
## 230	230	Pune	4528	32	0.8
## 231	231	Chennai	1036	18	4.8
## 232	232	Delhi	2697	12	0.7
## 233	233	Chennai	4741	9	4.5
## 234	234	Pune	2156	27	1.4
## 235	235	Chennai	1873	18	4.5
## 236	236	Delhi	2636	11	2.6
## 237	237	Banglore	1865	19	0.0
## 238	238	Delhi	2021	33	4.0
## 239	239	Mumbai	3746	34	0.9

## 240	240	Delhi	3330	24	2.3
## 241	241	Mumbai	4730	22	1.3
## 242	242	Delhi	4564	18	1.6
## 243	243	Banglore	3520	12	2.5
## 244	244	Chennai	2661	8	0.3
## 245	245	Pune	2246	5	1.8
## 246	246	Pune	4369	33	1.7
## 247	247	Delhi	1428	8	4.8
## 248	248	Pune	3252	13	0.2
## 249	249	Pune	2397	8	1.2
## 250	250	Chennai	3932	5	0.9
## 251	251	Banglore	4890	33	1.6
## 252	252	Chennai	3003	30	1.3
## 253	253	Chennai	2840	30	2.3
## 254	254	Chennai	1662	22	3.4
## 255	255	Chennai	2627	16	0.6
## 256	256	Delhi	3544	28	3.4
## 257	257	Pune	3997	33	0.2
## 258	258	Mumbai	4131	34	0.2
## 259	259	Delhi	3062	28	1.1
## 260	260	Chennai	4773	13	3.2
## 261	261	Banglore	3259	16	3.0
## 262	262	Banglore	1511	16	2.5
## 263	263	Pune	1144	25	1.2
## 264	264	Mumbai	3766	24	3.9
## 265	265	Banglore	2462	23	1.8
## 266	266	Chennai	3312	23	4.9
## 267	267	Delhi	1637	34	3.0
## 268	268	Banglore	4919	34	0.2
## 269	269	Mumbai	2453	20	1.1
## 270	270	Banglore	2678	26	3.0
## 271	271	Mumbai	4198	31	2.6
## 272	272	Chennai	3104	20	4.6
## 273	273	Mumbai	3669	25	0.1
## 274	274	Pune	2407	31	3.0
## 275	275	Chennai	4761	18	4.1
## 276	276	Delhi	3432	22	5.0
## 277	277	Chennai	4337	23	2.3
## 278	278	Mumbai	1151	20	0.2
## 279	279	Banglore	4597	18	2.8
## 280	280	Delhi	2424	26	3.2
## 281	281	Pune	4804	12	5.0
## 282	282	Chennai	3819	33	1.5
## 283	283	Mumbai	3130	20	3.6
## 284	284	Delhi	1081	11	1.8
## 285	285	Mumbai	1880	17	5.0
## 286	286	Chennai	3242	18	1.0
## 287	287	Pune	4455	34	0.4
## 288	288	Chennai	2484	28	2.8
## 289	289	Chennai	2161	17	4.8
## 290	290	Mumbai	2936	30	3.6
## 291	291	Banglore	2613	4	4.1
## 292	292	Mumbai	4823	12	5.0
## 293	293	Delhi	4170	13	3.4

## 294	294	Mumbai	1582	27	2.6
## 295	295	Pune	1226	17	1.8
## 296	296	Mumbai	1770	20	4.3
## 297	297	Delhi	1258	29	2.4
## 298	298	Mumbai	2035	7	0.2
## 299	299	Banglore	4810	22	4.8
## 300	300	Mumbai	1352	21	4.9
## 301	301	Chennai	2950	20	4.7
## 302	302	Banglore	3636	6	0.0
## 303	303	Delhi	3279	16	1.3
## 304	304	Banglore	3066	13	1.2
## 305	305	Mumbai	3225	20	4.0
## 306	306	Banglore	4102	17	3.8
## 307	307	Chennai	1066	34	0.4
## 308	308	Mumbai	3507	27	3.2
## 309	309	Banglore	1094	6	2.5
## 310	310	Chennai	4354	10	3.4
## 311	311	Pune	4438	6	0.6
## 312	312	Chennai	3689	6	4.7
## 313	313	Pune	2054	6	4.2
## 314	314	Pune	1681	24	3.2
## 315	315	Mumbai	1087	15	1.0
## 316	316	Mumbai	1002	31	2.7
## 317	317	Banglore	2948	4	4.7
## 318	318	Pune	4444	34	4.9
## 319	319	Mumbai	1800	29	1.1
## 320	320	Delhi	2458	16	0.6
## 321	321	Mumbai	4799	11	2.9
## 322	322	Mumbai	2316	22	1.9
## 323	323	Mumbai	1466	21	2.9
## 324	324	Delhi	2546	34	4.6
## 325	325	Pune	3628	6	3.5
## 326	326	Banglore	3808	15	1.9
## 327	327	Mumbai	3396	34	4.8
## 328	328	Banglore	3288	30	5.0
## 329	329	Delhi	3404	18	0.6
## 330	330	Mumbai	2641	5	1.4
## 331	331	Pune	4122	34	1.2
## 332	332	Mumbai	4490	13	3.9
## 333	333	Chennai	2946	33	4.0
## 334	334	Mumbai	1978	22	4.3
## 335	335	Pune	1107	27	1.7
## 336	336	Pune	1856	6	2.9
## 337	337	Mumbai	3178	32	2.3
## 338	338	Delhi	2395	24	2.1
## 339	339	Pune	1368	4	4.5
## 340	340	Pune	4973	22	1.5
## 341	341	Chennai	2536	19	2.8
## 342	342	Banglore	2292	8	0.1
## 343	343	Mumbai	3728	22	4.3
## 344	344	Delhi	3854	22	3.9
## 345	345	Chennai	4204	14	1.7
## 346	346	Pune	4040	8	3.6
## 347	347	Banglore	2442	28	4.4

## 348	348	Delhi	3054	32	0.7
## 349	349	Pune	3543	20	2.2
## 350	350	Mumbai	2450	8	4.3
## 351	351	Banglore	3336	13	0.7
## 352	352	Delhi	1586	22	2.2
## 353	353	Mumbai	2530	6	2.8
## 354	354	Delhi	4099	30	3.8
## 355	355	Pune	1239	22	4.7
## 356	356	Banglore	2393	15	0.2
## 357	357	Delhi	4211	28	3.5
## 358	358	Banglore	1375	23	2.8
## 359	359	Chennai	2350	6	4.1
## 360	360	Banglore	2757	23	0.6
## 361	361	Mumbai	1147	20	0.5
## 362	362	Mumbai	2821	21	5.0
## 363	363	Mumbai	2838	19	3.5
## 364	364	Banglore	4043	4	4.4
## 365	365	Mumbai	1787	17	4.8
## 366	366	Mumbai	2136	16	0.4
## 367	367	Pune	4768	12	2.7
## 368	368	Mumbai	1198	10	2.9
## 369	369	Chennai	3958	8	0.3
## 370	370	Pune	4866	4	3.0
## 371	371	Mumbai	4367	29	4.1
## 372	372	Chennai	2320	31	0.0
## 373	373	Mumbai	4627	6	1.4
## 374	374	Mumbai	2233	10	3.4
## 375	375	Mumbai	1733	19	1.4
## 376	376	Delhi	1599	14	4.4
## 377	377	Chennai	2045	4	1.6
## 378	378	Chennai	4321	14	1.2
## 379	379	Chennai	1634	30	3.3
## 380	380	Chennai	3093	31	1.1
## 381	381	Delhi	1271	19	3.1
## 382	382	Mumbai	2052	21	4.6
## 383	383	Delhi	1961	15	3.3
## 384	384	Chennai	1043	27	2.4
## 385	385	Banglore	3872	10	1.5
## 386	386	Chennai	4573	33	4.9
## 387	387	Pune	2127	23	1.2
## 388	388	Chennai	3257	33	0.7
## 389	389	Mumbai	3660	18	2.5
## 390	390	Chennai	2657	7	3.7
## 391	391	Chennai	1556	23	4.3
## 392	392	Delhi	3311	20	1.2
## 393	393	Banglore	2430	22	0.1
## 394	394	Banglore	2195	10	3.5
## 395	395	Pune	2991	18	4.3
## 396	396	Delhi	4478	16	0.2
## 397	397	Banglore	2820	11	1.0
## 398	398	Mumbai	1038	12	4.4
## 399	399	Delhi	2903	15	3.6
## 400	400	Delhi	1322	21	2.5
## 401	401	Mumbai	4744	33	5.0

## 402	402	Banglore	4427	27	3.6
## 403	403	Chennai	1824	25	3.2
## 404	404	Mumbai	4059	29	0.5
## 405	405	Mumbai	4356	30	3.1
## 406	406	Pune	2193	17	1.2
## 407	407	Banglore	1134	19	0.4
## 408	408	Delhi	2207	32	2.0
## 409	409	Mumbai	2029	5	4.7
## 410	410	Pune	2970	15	2.9
## 411	411	Delhi	3339	28	3.2
## 412	412	Pune	2900	25	1.0
## 413	413	Mumbai	4012	11	2.9
## 414	414	Mumbai	2115	21	1.7
## 415	415	Banglore	3717	8	4.4
## 416	416	Pune	1951	29	2.3
## 417	417	Banglore	4514	16	0.1
## 418	418	Delhi	2923	11	3.2
## 419	419	Chennai	4911	26	3.6
## 420	420	Delhi	4830	15	5.0
## 421	421	Banglore	1425	11	4.7
## 422	422	Mumbai	3228	26	3.7
## 423	423	Chennai	2792	32	4.6
## 424	424	Mumbai	1380	10	0.7
## 425	425	Chennai	4815	19	0.4
## 426	426	Chennai	3749	6	4.7
## 427	427	Delhi	1802	25	3.4
## 428	428	Pune	3830	7	5.0
## 429	429	Delhi	3896	28	4.5
## 430	430	Pune	3188	23	2.4
## 431	431	Banglore	2377	34	5.0
## 432	432	Chennai	2332	32	3.1
## 433	433	Banglore	2611	13	2.6
## 434	434	Mumbai	1735	10	0.5
## 435	435	Banglore	3414	28	0.0
## 436	436	Banglore	1289	27	1.8
## 437	437	Chennai	2112	9	0.1
## 438	438	Delhi	2999	22	2.4
## 439	439	Chennai	3421	7	0.2
## 440	440	Delhi	1305	16	2.9
## 441	441	Banglore	4340	20	2.8
## 442	442	Chennai	2223	8	3.8
## 443	443	Delhi	1293	31	2.1
## 444	444	Mumbai	1747	33	1.5
## 445	445	Chennai	4532	27	2.5
## 446	446	Pune	4393	30	2.1
## 447	447	Pune	3531	7	2.0
## 448	448	Pune	4258	31	4.0
## 449	449	Banglore	3539	34	1.8
## 450	450	Mumbai	4338	32	0.9
## 451	451	Mumbai	1253	13	1.6
## 452	452	Chennai	2305	24	0.7
## 453	453	Mumbai	1626	4	1.7
## 454	454	Mumbai	4797	32	2.5
## 455	455	Mumbai	4326	18	3.8

## 456	456	Chennai	2248	33	2.0
## 457	457	Chennai	1773	6	2.0
## 458	458	Banglore	2676	18	2.1
## 459	459	Pune	3948	16	2.0
## 460	460	Pune	3175	20	2.3
## 461	461	Mumbai	4412	16	1.7
## 462	462	Delhi	3678	5	1.2
## 463	463	Mumbai	4183	24	3.6
## 464	464	Mumbai	4776	15	3.4
## 465	465	Banglore	3720	18	3.6
## 466	466	Mumbai	1650	5	1.4
## 467	467	Delhi	4805	28	2.7
## 468	468	Delhi	1812	19	3.4
## 469	469	Chennai	4415	25	3.1
## 470	470	Banglore	2525	21	3.1
## 471	471	Banglore	3177	16	3.0
## 472	472	Banglore	2312	11	2.0
## 473	473	Pune	3020	29	4.7
## 474	474	Pune	1370	9	3.6
## 475	475	Mumbai	2071	15	0.4
## 476	476	Chennai	2061	16	3.8
## 477	477	Delhi	4060	5	1.6
## 478	478	Pune	2351	7	2.7
## 479	479	Pune	4460	30	1.9
## 480	480	Banglore	3799	15	2.1
## 481	481	Banglore	3658	6	4.3
## 482	482	Mumbai	3034	14	1.6
## 483	483	Banglore	3996	16	4.5
## 484	484	Pune	2005	33	3.6
## 485	485	Chennai	1344	8	0.0
## 486	486	Chennai	4378	29	3.5
## 487	487	Mumbai	2887	22	2.9
## 488	488	Pune	1602	8	3.3
## 489	489	Chennai	1819	34	0.7
## 490	490	Delhi	4001	4	1.9
## 491	491	Banglore	2861	9	4.7
## 492	492	Chennai	2268	16	1.1
## 493	493	Delhi	2600	8	0.4
## 494	494	Chennai	2779	24	2.7
## 495	495	Chennai	3706	26	3.8
## 496	496	Pune	2729	19	1.9
## 497	497	Mumbai	4160	33	4.8
## 498	498	Banglore	1642	4	1.7
## 499	499	Pune	4960	14	3.0
## 500	500	Delhi	4792	33	4.1
## 501	501	Banglore	2756	21	2.4
## 502	502	Pune	4390	16	2.3
## 503	503	Chennai	2359	27	2.5
## 504	504	Delhi	3069	25	4.4
## 505	505	Mumbai	1312	5	4.0
## 506	506	Mumbai	3132	4	2.5
## 507	507	Mumbai	2960	8	1.3
## 508	508	Delhi	4667	22	4.4
## 509	509	Banglore	4145	19	2.6

## 510	510	Pune	2680	9	4.9
## 511	511	Delhi	3567	24	3.2
## 512	512	Pune	3577	18	3.6
## 513	513	Banglore	3790	31	2.6
## 514	514	Pune	3231	11	0.7
## 515	515	Banglore	4220	8	3.2
## 516	516	Mumbai	2557	19	5.0
## 517	517	Banglore	1916	6	3.6
## 518	518	Pune	2100	22	1.2
## 519	519	Pune	3724	24	1.7
## 520	520	Pune	2506	17	2.9
## 521	521	Delhi	4364	28	5.0
## 522	522	Delhi	2358	22	4.9
## 523	523	Chennai	4035	30	4.0
## 524	524	Banglore	4920	23	4.7
## 525	525	Pune	2183	29	4.3
## 526	526	Pune	3527	9	4.5
## 527	527	Pune	4700	24	0.0
## 528	528	Chennai	4495	4	0.9
## 529	529	Delhi	3415	23	0.4
## 530	530	Mumbai	1955	22	1.1
## 531	531	Banglore	1996	5	3.9
## 532	532	Chennai	3879	28	3.7
## 533	533	Banglore	4396	6	2.8
## 534	534	Banglore	3598	33	1.9
## 535	535	Banglore	3331	32	0.7
## 536	536	Banglore	1051	10	3.5
## 537	537	Mumbai	2939	34	4.0
## 538	538	Delhi	2040	25	3.4
## 539	539	Delhi	4809	19	4.8
## 540	540	Chennai	3852	29	2.2
## 541	541	Banglore	3357	25	3.9
## 542	542	Delhi	1723	28	2.9
## 543	543	Banglore	3863	24	4.6
## 544	544	Chennai	4386	12	0.2
## 545	545	Mumbai	1395	22	4.1
## 546	546	Banglore	4140	13	1.4
## 547	547	Chennai	4647	20	4.1
## 548	548	Banglore	1870	11	4.5
## 549	549	Mumbai	4636	21	4.6
## 550	550	Mumbai	1496	23	1.4
## 551	551	Chennai	1158	29	1.7
## 552	552	Banglore	3089	10	1.7
## 553	553	Banglore	2274	24	1.1
## 554	554	Chennai	4975	27	1.5
## 555	555	Delhi	3263	24	4.0
## 556	556	Delhi	1409	25	1.9
## 557	557	Delhi	1044	24	4.0
## 558	558	Chennai	4734	27	4.5
## 559	559	Banglore	4970	21	0.9
## 560	560	Chennai	2656	16	4.5
## 561	561	Pune	3876	8	1.1
## 562	562	Pune	4949	6	4.7
## 563	563	Banglore	2549	8	4.0

## 564	564	Chennai	2139	18	0.4
## 565	565	Banglore	3284	31	4.5
## 566	566	Pune	3428	6	3.0
## 567	567	Mumbai	2201	34	3.7
## 568	568	Chennai	4168	24	4.2
## 569	569	Banglore	1292	19	1.0
## 570	570	Mumbai	1538	31	4.1
## 571	571	Banglore	1967	32	0.4
## 572	572	Chennai	1821	8	2.2
## 573	573	Banglore	2632	8	2.2
## 574	574	Pune	3468	10	4.4
## 575	575	Banglore	1588	20	3.5
## 576	576	Mumbai	3065	31	4.4
## 577	577	Mumbai	3358	23	2.9
## 578	578	Pune	2714	23	1.2
## 579	579	Chennai	4434	25	1.2
## 580	580	Pune	2007	15	4.7
## 581	581	Chennai	1363	20	3.5
## 582	582	Chennai	1512	17	3.5
## 583	583	Mumbai	3121	8	2.5
## 584	584	Delhi	4076	4	1.8
## 585	585	Pune	4948	7	3.0
## 586	586	Pune	1573	33	1.0
## 587	587	Banglore	1679	25	2.3
## 588	588	Pune	2957	5	2.8
## 589	589	Banglore	4969	11	3.6
## 590	590	Delhi	4411	23	0.9
## 591	591	Pune	1199	19	3.6
## 592	592	Banglore	3338	30	2.4
## 593	593	Pune	1726	15	4.6
## 594	594	Delhi	1231	8	0.3
## 595	595	Delhi	1989	31	1.3
## 596	596	Banglore	3606	10	4.9
## 597	597	Chennai	3434	23	4.1
## 598	598	Mumbai	4671	20	0.1
## 599	599	Delhi	1206	21	3.8
## 600	600	Chennai	3235	34	3.4
## 601	601	Chennai	3281	13	1.5
## 602	602	Delhi	2837	30	4.6
## 603	603	Mumbai	3769	28	2.6
## 604	604	Delhi	4489	27	1.5
## 605	605	Mumbai	1267	29	2.0
## 606	606	Banglore	3191	16	3.5
## 607	607	Banglore	4629	33	2.4
## 608	608	Pune	2299	12	5.0
## 609	609	Pune	3152	28	1.4
## 610	610	Mumbai	3477	32	2.6
## 611	611	Chennai	4273	29	0.9
## 612	612	Delhi	1943	17	4.9
## 613	613	Pune	1104	23	2.8
## 614	614	Delhi	2668	16	3.3
## 615	615	Mumbai	2211	32	5.0
## 616	616	Banglore	4245	30	4.3
## 617	617	Pune	3718	21	2.3

## 618	618	Pune	4109	4	1.9
## 619	619	Pune	3234	8	2.8
## 620	620	Delhi	2002	30	4.3
## 621	621	Pune	3570	11	2.2
## 622	622	Banglore	2897	25	3.2
## 623	623	Mumbai	1068	4	4.1
## 624	624	Chennai	2174	22	2.7
## 625	625	Mumbai	4925	8	0.7
## 626	626	Pune	2942	16	4.8
## 627	627	Pune	3988	21	2.7
## 628	628	Delhi	2955	26	3.5
## 629	629	Delhi	2772	33	4.5
## 630	630	Pune	2629	22	2.6
## 631	631	Chennai	4020	21	4.4
## 632	632	Banglore	4951	12	3.3
## 633	633	Chennai	4119	19	4.7
## 634	634	Pune	3083	15	3.8
## 635	635	Delhi	4107	17	0.2
## 636	636	Chennai	1658	4	2.4
## 637	637	Pune	3526	13	2.5
## 638	638	Banglore	2418	8	2.6
## 639	639	Mumbai	4983	15	4.6
## 640	640	Pune	2372	33	3.5
## 641	641	Pune	1120	11	2.4
## 642	642	Chennai	4108	9	3.1
## 643	643	Mumbai	4262	32	1.4
## 644	644	Chennai	2572	23	4.4
## 645	645	Chennai	2592	11	2.9
## 646	646	Mumbai	2880	7	4.0
## 647	647	Pune	2582	12	1.7
## 648	648	Mumbai	1141	6	3.8
## 649	649	Banglore	3545	20	3.8
## 650	650	Banglore	2065	26	0.7
## 651	651	Banglore	3022	11	3.2
## 652	652	Pune	2186	33	4.2
## 653	653	Pune	3895	18	3.3
## 654	654	Delhi	3222	6	2.9
## 655	655	Delhi	2149	13	4.6
## 656	656	Mumbai	2469	18	1.0
## 657	657	Delhi	2726	31	4.7
## 658	658	Chennai	2496	13	2.2
## 659	659	Chennai	4670	17	1.2
## 660	660	Banglore	2294	18	1.0
## 661	661	Banglore	1137	18	0.2
## 662	662	Chennai	4185	24	1.6
## 663	663	Banglore	1988	21	4.7
## 664	664	Banglore	2313	21	4.8
## 665	665	Banglore	3155	15	3.7
## 666	666	Chennai	4219	19	1.1
## 667	667	Chennai	4500	12	4.1
## 668	668	Pune	1491	23	0.6
## 669	669	Banglore	1608	12	1.8
## 670	670	Mumbai	1233	17	2.9
## 671	671	Pune	2883	13	3.8

## 672	672	Delhi	2095	17	5.0
## 673	673	Pune	3864	15	1.8
## 674	674	Banglore	4358	19	1.3
## 675	675	Delhi	1319	12	4.5
## 676	676	Mumbai	1703	8	4.8
## 677	677	Mumbai	2589	31	1.5
## 678	678	Mumbai	3157	17	1.5
## 679	679	Chennai	2178	34	3.7
## 680	680	Delhi	2141	9	1.2
## 681	681	Mumbai	4565	30	1.9
## 682	682	Banglore	4661	14	4.9
## 683	683	Banglore	3918	14	1.7
## 684	684	Delhi	4266	13	2.5
## 685	685	Mumbai	2688	8	0.5
## 686	686	Pune	1345	26	2.8
## 687	687	Chennai	2562	26	0.0
## 688	688	Banglore	1558	26	1.7
## 689	689	Chennai	3659	16	1.6
## 690	690	Pune	4758	7	0.1
## 691	691	Chennai	2823	16	3.5
## 692	692	Delhi	4086	33	4.4
## 693	693	Pune	1956	16	0.1
## 694	694	Chennai	3868	16	4.3
## 695	695	Delhi	4052	19	2.5
## 696	696	Delhi	2704	7	0.4
## 697	697	Pune	4397	7	1.2
## 698	698	Banglore	1166	27	3.5
## 699	699	Banglore	4448	29	0.1
## 700	700	Banglore	3150	22	2.2
## 701	701	Delhi	3439	34	0.9
## 702	702	Chennai	3272	14	3.7
## 703	703	Mumbai	3359	27	0.3
## 704	704	Mumbai	4050	32	0.8
## 705	705	Banglore	4724	28	3.1
## 706	706	Chennai	4126	8	0.0
## 707	707	Banglore	2482	24	2.2
## 708	708	Pune	3927	34	4.7
## 709	709	Chennai	3070	13	3.5
## 710	710	Banglore	3809	8	1.7
## 711	711	Chennai	3366	28	3.5
## 712	712	Chennai	2017	28	4.2
## 713	713	Chennai	2354	18	3.4
## 714	714	Pune	3946	7	3.8
## 715	715	Pune	1751	17	1.4
## 716	716	Chennai	1304	21	0.9
## 717	717	Chennai	2791	13	4.5
## 718	718	Pune	3341	5	3.1
## 719	719	Chennai	4275	10	0.3
## 720	720	Pune	3025	6	3.3
## 721	721	Banglore	3374	19	1.0
## 722	722	Banglore	4802	18	2.3
## 723	723	Banglore	4641	30	2.2
## 724	724	Banglore	4808	19	2.1
## 725	725	Chennai	4058	24	3.1

## 726	726	Chennai	1530	33	1.3
## 727	727	Delhi	1781	33	4.1
## 728	728	Pune	3221	7	1.2
## 729	729	Banglore	4259	34	0.9
## 730	730	Mumbai	2487	28	4.2
## 731	731	Chennai	1335	22	0.1
## 732	732	Banglore	1869	18	3.6
## 733	733	Mumbai	1076	30	0.5
## 734	734	Mumbai	1953	13	4.4
## 735	735	Chennai	1659	21	1.5
## 736	736	Chennai	4062	32	2.3
## 737	737	Mumbai	3929	5	3.0
## 738	738	Mumbai	4304	22	2.6
## 739	739	Banglore	3617	15	0.3
## 740	740	Mumbai	4593	27	2.6
## 741	741	Pune	4899	23	2.7
## 742	742	Pune	1796	32	3.1
## 743	743	Mumbai	4491	30	3.5
## 744	744	Pune	3433	15	3.6
## 745	745	Delhi	3275	26	3.2
## 746	746	Delhi	1108	4	4.6
## 747	747	Delhi	3923	13	4.6
## 748	748	Banglore	4445	31	0.2
## 749	749	Pune	1708	11	4.2
## 750	750	Pune	1460	20	3.4
## 751	751	Mumbai	3467	31	4.5
## 752	752	Mumbai	4945	34	0.8
## 753	753	Banglore	2558	7	3.1
## 754	754	Banglore	1713	25	0.2
## 755	755	Mumbai	4817	17	1.4
## 756	756	Pune	3499	30	2.5
## 757	757	Delhi	4080	16	1.0
## 758	758	Banglore	3591	25	4.9
## 759	759	Delhi	4646	5	2.7
## 760	760	Delhi	3787	19	4.4
## 761	761	Chennai	2105	10	0.5
## 762	762	Mumbai	1547	6	4.8
## 763	763	Pune	2706	33	3.8
## 764	764	Delhi	3274	28	0.3
## 765	765	Chennai	2510	29	1.1
## 766	766	Mumbai	3126	30	4.0
## 767	767	Mumbai	4732	18	0.5
## 768	768	Mumbai	2119	7	0.0
## 769	769	Pune	4892	28	3.6
## 770	770	Pune	3721	18	0.1
## 771	771	Mumbai	3890	32	2.9
## 772	772	Delhi	3007	24	4.6
## 773	773	Mumbai	3998	16	1.8
## 774	774	Banglore	1598	33	1.0
## 775	775	Delhi	1149	12	2.8
## 776	776	Mumbai	1755	21	0.6
## 777	777	Pune	4839	10	4.7
## 778	778	Delhi	4085	30	3.0
## 779	779	Banglore	2996	10	3.2

## 780	780	Delhi	2593	11	3.4
## 781	781	Pune	2147	4	4.0
## 782	782	Pune	3057	27	4.6
## 783	783	Pune	1170	14	1.2
## 784	784	Pune	4618	5	3.0
## 785	785	Banglore	2508	33	3.4
## 786	786	Mumbai	3245	18	2.9
## 787	787	Delhi	1748	26	5.0
## 788	788	Delhi	2615	14	4.6
## 789	789	Pune	1919	19	3.4
## 790	790	Pune	2243	26	2.1
## 791	791	Banglore	4233	29	3.4
## 792	792	Mumbai	3915	34	3.9
## 793	793	Chennai	4470	16	0.1
## 794	794	Delhi	1928	29	3.6
## 795	795	Delhi	3926	26	0.7
## 796	796	Mumbai	4664	14	0.7
## 797	797	Pune	1618	6	0.7
## 798	798	Delhi	2855	30	0.5
## 799	799	Mumbai	1697	20	3.6
## 800	800	Chennai	3402	19	0.0
## 801	801	Banglore	1441	20	4.5
## 802	802	Delhi	1237	9	4.6
## 803	803	Pune	2864	15	0.6
## 804	804	Chennai	3626	13	4.0
## 805	805	Mumbai	2742	10	2.6
## 806	806	Delhi	3393	22	4.6
## 807	807	Mumbai	2802	33	3.9
## 808	808	Chennai	1504	10	3.5
## 809	809	Chennai	2400	22	2.5
## 810	810	Pune	1369	22	3.1
## 811	811	Pune	3924	17	0.5
## 812	812	Delhi	4077	17	0.7
## 813	813	Delhi	3352	31	1.4
## 814	814	Banglore	1230	20	3.2
## 815	815	Delhi	1195	19	3.5
## 816	816	Chennai	3955	19	0.6
## 817	817	Banglore	3280	9	0.2
## 818	818	Banglore	3036	16	1.7
## 819	819	Banglore	3821	29	1.2
## 820	820	Pune	1000	23	3.8
## 821	821	Mumbai	2956	26	5.0
## 822	822	Chennai	1193	21	4.3
## 823	823	Pune	4221	21	1.2
## 824	824	Mumbai	1413	29	1.9
## 825	825	Chennai	2518	27	4.3
## 826	826	Banglore	2106	29	4.7
## 827	827	Chennai	1266	9	2.0
## 828	828	Chennai	1559	32	3.9
## 829	829	Delhi	4450	28	5.0
## 830	830	Chennai	1736	4	2.0
## 831	831	Chennai	4313	23	4.9
## 832	832	Chennai	2740	21	1.7
## 833	833	Mumbai	2401	20	1.7

## 834	834	Mumbai	4695	5	1.8
## 835	835	Mumbai	1546	7	4.7
## 836	836	Delhi	3674	16	3.9
## 837	837	Pune	2710	5	3.7
## 838	838	Pune	4827	15	5.0
## 839	839	Banglore	4864	29	2.4
## 840	840	Delhi	2973	8	3.7
## 841	841	Banglore	2144	16	2.4
## 842	842	Chennai	3018	7	3.0
## 843	843	Banglore	4893	5	3.5
## 844	844	Banglore	4217	26	0.3
## 845	845	Chennai	1676	13	1.7
## 846	846	Banglore	2799	9	4.1
## 847	847	Banglore	4609	7	4.3
## 848	848	Delhi	1228	12	4.1
## 849	849	Banglore	1698	4	3.3
## 850	850	Mumbai	2914	26	4.7
## 851	851	Chennai	2472	19	0.1
## 852	852	Chennai	1749	28	2.3
## 853	853	Pune	1174	7	0.7
## 854	854	Banglore	2926	21	1.8
## 855	855	Chennai	1936	7	3.3
## 856	856	Delhi	4863	14	2.2
## 857	857	Mumbai	4822	6	2.0
## 858	858	Pune	1942	10	5.0
## 859	859	Chennai	4860	18	1.6
## 860	860	Banglore	2945	13	1.8
## 861	861	Banglore	2375	17	2.4
## 862	862	Mumbai	3757	33	0.5
## 863	863	Banglore	1135	7	2.0
## 864	864	Pune	4782	5	4.4
## 865	865	Pune	3611	14	4.7
## 866	866	Mumbai	4066	27	3.2
## 867	867	Mumbai	3144	32	2.8
## 868	868	Banglore	1355	26	4.6
## 869	869	Banglore	1518	26	0.9
## 870	870	Mumbai	2745	25	3.3
## 871	871	Delhi	4251	23	2.4
## 872	872	Pune	2446	17	4.4
## 873	873	Pune	3226	13	3.8
## 874	874	Banglore	1427	16	1.0
## 875	875	Pune	1844	29	0.7
## 876	876	Pune	2981	31	3.5
## 877	877	Pune	3607	13	1.4
## 878	878	Chennai	2940	14	4.1
## 879	879	Banglore	1871	5	1.9
## 880	880	Banglore	2522	8	3.1
## 881	881	Pune	4473	9	5.0
## 882	882	Pune	2681	16	1.9
## 883	883	Banglore	4791	19	0.8
## 884	884	Delhi	1337	27	5.0
## 885	885	Chennai	4942	34	2.9
## 886	886	Banglore	3983	30	0.3
## 887	887	Banglore	3149	7	2.3

## 888	888	Mumbai	3482	30	2.4
## 889	889	Chennai	4972	31	1.6
## 890	890	Mumbai	3168	7	2.9
## 891	891	Banglore	1421	8	5.0
## 892	892	Pune	2852	4	4.6
## 893	893	Mumbai	3712	18	4.5
## 894	894	Banglore	2118	18	4.7
## 895	895	Banglore	1867	6	4.1
## 896	896	Banglore	2411	14	0.1
## 897	897	Pune	1593	29	3.2
## 898	898	Pune	1617	6	3.1
## 899	899	Banglore	2057	29	1.9
## 900	900	Banglore	1175	17	2.2
## 901	901	Banglore	3817	12	3.9
## 902	902	Chennai	2047	6	0.5
## 903	903	Delhi	4225	18	1.2
## 904	904	Delhi	4778	29	0.6
## 905	905	Delhi	4090	14	1.5
## 906	906	Banglore	3913	28	4.6
## 907	907	Pune	4608	28	2.8
## 908	908	Banglore	3260	21	1.7
## 909	909	Chennai	1567	31	1.1
## 910	910	Delhi	3418	16	2.6
## 911	911	Banglore	4738	9	1.1
## 912	912	Banglore	1146	20	2.5
## 913	913	Delhi	3169	10	2.3
## 914	914	Mumbai	1709	7	2.7
## 915	915	Banglore	3109	15	0.3
## 916	916	Mumbai	2964	12	3.1
## 917	917	Delhi	3671	24	2.1
## 918	918	Delhi	3995	9	4.2
## 919	919	Delhi	2628	4	3.4
## 920	920	Mumbai	4566	8	0.7
## 921	921	Chennai	2225	5	0.6
## 922	922	Pune	4990	29	1.9
## 923	923	Pune	1364	33	3.4
## 924	924	Mumbai	1806	18	4.7
## 925	925	Pune	4786	22	1.9
## 926	926	Delhi	1455	14	4.2
## 927	927	Chennai	1782	32	0.1
## 928	928	Mumbai	2719	10	4.1
## 929	929	Banglore	3153	23	3.7
## 930	930	Mumbai	2311	19	0.9
## 931	931	Chennai	4681	34	3.5
## 932	932	Banglore	3866	4	2.1
## 933	933	Pune	3141	6	1.5
## 934	934	Banglore	1067	12	1.0
## 935	935	Chennai	4723	18	0.1
## 936	936	Banglore	3256	16	4.4
## 937	937	Pune	3589	29	2.3
## 938	938	Chennai	4634	26	2.3
## 939	939	Pune	2341	34	2.7
## 940	940	Chennai	4800	6	1.7
## 941	941	Mumbai	4708	33	2.8

## 942	942	Pune	3541	22	4.6
## 943	943	Banglore	3361	18	1.9
## 944	944	Mumbai	1687	6	4.5
## 945	945	Mumbai	1489	25	3.5
## 946	946	Mumbai	1129	25	1.2
## 947	947	Mumbai	1224	25	0.4
## 948	948	Pune	3719	28	1.7
## 949	949	Delhi	1595	6	2.8
## 950	950	Pune	4346	11	5.0
## 951	951	Pune	3237	5	1.4
## 952	952	Pune	4713	8	0.6
## 953	953	Delhi	4862	31	4.7
## 954	954	Banglore	1575	11	4.2
## 955	955	Delhi	3511	11	0.0
## 956	956	Pune	4691	33	3.2
## 957	957	Banglore	3204	11	4.0
## 958	958	Mumbai	2873	9	2.2
## 959	959	Mumbai	1633	8	0.1
## 960	960	Chennai	4416	30	1.8
## 961	961	Pune	2943	30	1.0
## 962	962	Delhi	3877	4	2.3
## 963	963	Pune	4605	17	0.4
## 964	964	Pune	4852	18	0.1
## 965	965	Pune	2219	10	4.4
## 966	966	Mumbai	3453	12	0.5
## 967	967	Delhi	3346	30	3.1
## 968	968	Banglore	2058	18	1.0
## 969	969	Mumbai	1822	11	1.6
## 970	970	Banglore	4783	7	4.9
## 971	971	Mumbai	4894	29	4.8
## 972	972	Chennai	4481	9	3.2
## 973	973	Mumbai	2455	11	3.9
## 974	974	Delhi	4740	18	2.8
## 975	975	Delhi	4218	23	4.2
## 976	976	Banglore	2153	30	1.4
## 977	977	Pune	3873	4	4.8
## 978	978	Mumbai	1361	7	2.1
## 979	979	Banglore	1997	10	0.7
## 980	980	Banglore	2417	6	4.4
## 981	981	Delhi	1379	21	3.6
## 982	982	Banglore	2215	16	5.0
## 983	983	Mumbai	1632	10	3.9
## 984	984	Pune	2365	30	0.2
## 985	985	Mumbai	3422	22	0.4
## 986	986	Mumbai	1246	15	1.6
## 987	987	Pune	3049	16	3.7
## 988	988	Delhi	4223	23	2.0
## 989	989	Mumbai	2239	33	1.7
## 990	990	Mumbai	1983	15	4.0
## 991	991	Chennai	3523	19	2.8
## 992	992	Banglore	4628	24	4.2
## 993	993	Chennai	2270	11	4.8
## 994	994	Chennai	4307	22	3.4
## 995	995	Chennai	2454	24	1.0

```

## 996      996        Delhi    1403     21    0.2
## 997      997        Chennai  2389     21    3.9
## 998      998        Chennai  4554     34    3.7
## 999      999        Delhi    1332     33    4.2
## 1000     1000       Banglore 3641     21    2.2

```

7. Create a column category that categorizes the products based on the product ID. The category IDS for the different product is as follows 1000 to 1380 - Mobiles 1381 to 2580 - Laptops and Computers 2581 to 3268 - Mens Fasion 3269 to 4220- Womens Fasion 4221 to 5000 - Books

```

amazon_reviews$Category <- with(amazon_reviews, ifelse(Product.ID<1380, "Mobiles", ifelse(Product.ID<2581, "Laptops & Computers", ifelse(Product.ID<3269, "Men's Fashion", "Women's Fashion"))))
amazon_reviews

```

##	Serial.No	Delivery.Location	Product.ID	Discount	Review	Category
## 1	1	Mumbai	3694	10	0.6	Women's Fashion
## 2	2	Chennai	1476	32	2.8	Laptop & Computers
## 3	3	Delhi	2559	27	2.3	Laptop & Computers
## 4	4	Delhi	2467	31	2.4	Laptop & Computers
## 5	5	Delhi	4120	28	4.8	Women's Fashion
## 6	6	Banglore	1071	20	0.7	Mobiles
## 7	7	Pune	2640	11	4.0	Men's Fashion
## 8	8	Chennai	1281	12	2.5	Mobiles
## 9	9	Delhi	3106	29	1.5	Men's Fashion
## 10	10	Pune	2013	30	3.5	Laptop & Computers
## 11	11	Delhi	4343	25	0.0	Books
## 12	12	Chennai	2379	19	0.7	Laptop & Computers
## 13	13	Banglore	2728	7	0.2	Men's Fashion
## 14	14	Pune	1519	4	4.0	Laptop & Computers
## 15	15	Mumbai	2474	11	4.3	Laptop & Computers
## 16	16	Delhi	3600	6	2.3	Women's Fashion
## 17	17	Banglore	3667	12	4.2	Women's Fashion
## 18	18	Delhi	3583	15	4.6	Women's Fashion
## 19	19	Pune	3745	27	3.3	Women's Fashion
## 20	20	Mumbai	3666	29	2.4	Women's Fashion
## 21	21	Delhi	1878	14	1.0	Laptop & Computers
## 22	22	Mumbai	2972	18	4.7	Men's Fashion
## 23	23	Mumbai	2912	24	4.7	Men's Fashion
## 24	24	Pune	3743	28	4.0	Women's Fashion
## 25	25	Mumbai	4297	27	2.8	Books
## 26	26	Mumbai	1664	5	0.4	Laptop & Computers
## 27	27	Chennai	2994	28	0.2	Men's Fashion
## 28	28	Mumbai	3159	14	3.6	Men's Fashion
## 29	29	Mumbai	4311	19	2.9	Books
## 30	30	Chennai	1700	19	0.3	Laptop & Computers
## 31	31	Pune	3408	32	4.4	Women's Fashion
## 32	32	Chennai	4228	12	2.8	Books
## 33	33	Delhi	3564	32	0.3	Women's Fashion
## 34	34	Chennai	2282	8	3.9	Laptop & Computers
## 35	35	Delhi	2892	6	0.2	Men's Fashion
## 36	36	Mumbai	1093	8	1.1	Mobiles
## 37	37	Banglore	3051	33	4.5	Men's Fashion
## 38	38	Delhi	2564	32	4.8	Laptop & Computers
## 39	39	Chennai	1131	7	1.1	Mobiles

## 40	40	Delhi	1295	16	0.8	Mobiles
## 41	41	Banglore	4714	32	2.0	Books
## 42	42	Delhi	3349	7	1.7	Women's Fashion
## 43	43	Pune	4509	11	4.7	Books
## 44	44	Chennai	2342	6	1.3	Laptop & Computers
## 45	45	Chennai	4696	15	1.1	Books
## 46	46	Pune	2931	17	3.9	Men's Fashion
## 47	47	Chennai	1648	25	0.8	Laptop & Computers
## 48	48	Delhi	3452	34	0.1	Women's Fashion
## 49	49	Pune	1273	20	0.8	Mobiles
## 50	50	Chennai	4631	15	1.8	Books
## 51	51	Pune	2784	12	1.1	Men's Fashion
## 52	52	Pune	4789	24	1.1	Books
## 53	53	Banglore	1011	21	0.6	Mobiles
## 54	54	Banglore	4047	19	1.8	Women's Fashion
## 55	55	Banglore	4848	28	3.9	Books
## 56	56	Mumbai	1513	17	3.9	Laptop & Computers
## 57	57	Pune	4464	15	4.3	Books
## 58	58	Mumbai	4197	11	4.8	Women's Fashion
## 59	59	Banglore	4602	12	5.0	Books
## 60	60	Delhi	4467	5	3.1	Books
## 61	61	Pune	4787	12	1.0	Books
## 62	62	Pune	2798	33	2.9	Men's Fashion
## 63	63	Banglore	3322	22	1.8	Women's Fashion
## 64	64	Delhi	2319	15	1.7	Laptop & Computers
## 65	65	Chennai	4937	15	1.7	Books
## 66	66	Chennai	4883	10	2.3	Books
## 67	67	Pune	1829	22	1.7	Laptop & Computers
## 68	68	Chennai	1818	11	0.4	Laptop & Computers
## 69	69	Delhi	2851	11	3.4	Men's Fashion
## 70	70	Chennai	3655	15	2.8	Women's Fashion
## 71	71	Delhi	2738	20	0.7	Men's Fashion
## 72	72	Delhi	1925	33	4.9	Laptop & Computers
## 73	73	Chennai	4938	22	1.8	Books
## 74	74	Mumbai	4665	31	4.1	Books
## 75	75	Chennai	4857	14	0.8	Books
## 76	76	Chennai	3486	33	4.7	Women's Fashion
## 77	77	Chennai	3135	22	1.9	Men's Fashion
## 78	78	Delhi	2425	21	1.0	Laptop & Computers
## 79	79	Banglore	4831	21	1.1	Books
## 80	80	Chennai	4780	26	3.2	Books
## 81	81	Delhi	1930	27	1.3	Laptop & Computers
## 82	82	Mumbai	2415	21	2.1	Laptop & Computers
## 83	83	Pune	3289	27	0.6	Women's Fashion
## 84	84	Delhi	4832	8	2.4	Books
## 85	85	Chennai	3834	6	4.6	Women's Fashion
## 86	86	Banglore	4992	32	4.0	Books
## 87	87	Mumbai	4241	11	1.5	Books
## 88	88	Delhi	1623	21	0.5	Laptop & Computers
## 89	89	Banglore	2235	28	0.3	Laptop & Computers
## 90	90	Banglore	1827	22	4.4	Laptop & Computers
## 91	91	Banglore	2866	30	1.9	Men's Fashion
## 92	92	Chennai	3827	13	2.9	Women's Fashion
## 93	93	Chennai	4104	12	3.9	Women's Fashion

## 94	94	Pune	3709	19	0.6	Women's Fashion
## 95	95	Chennai	4579	23	3.9	Books
## 96	96	Chennai	3886	31	1.4	Women's Fashion
## 97	97	Pune	2718	14	1.9	Men's Fashion
## 98	98	Chennai	3392	15	2.7	Women's Fashion
## 99	99	Chennai	3798	4	0.8	Women's Fashion
## 100	100	Delhi	2832	17	0.1	Men's Fashion
## 101	101	Chennai	3767	25	3.2	Women's Fashion
## 102	102	Mumbai	4781	31	2.8	Books
## 103	103	Chennai	2731	10	2.1	Men's Fashion
## 104	104	Mumbai	2196	26	2.3	Laptop & Computers
## 105	105	Delhi	2427	28	5.0	Laptop & Computers
## 106	106	Pune	4879	18	2.4	Books
## 107	107	Pune	3118	12	3.0	Men's Fashion
## 108	108	Pune	3087	19	2.7	Men's Fashion
## 109	109	Chennai	1701	9	3.9	Laptop & Computers
## 110	110	Pune	2870	7	4.9	Men's Fashion
## 111	111	Banglore	2363	16	3.6	Laptop & Computers
## 112	112	Delhi	1859	23	0.8	Laptop & Computers
## 113	113	Delhi	3248	33	1.7	Men's Fashion
## 114	114	Mumbai	2217	11	4.1	Laptop & Computers
## 115	115	Pune	1699	10	1.7	Laptop & Computers
## 116	116	Delhi	3784	11	0.3	Women's Fashion
## 117	117	Delhi	4548	33	3.4	Books
## 118	118	Mumbai	3389	18	3.5	Women's Fashion
## 119	119	Pune	1215	23	2.1	Mobiles
## 120	120	Chennai	1050	31	2.6	Mobiles
## 121	121	Pune	4032	12	0.6	Women's Fashion
## 122	122	Pune	2438	5	3.5	Laptop & Computers
## 123	123	Pune	4958	31	3.2	Books
## 124	124	Pune	1027	4	0.6	Mobiles
## 125	125	Chennai	3023	32	3.0	Men's Fashion
## 126	126	Chennai	4057	25	3.6	Women's Fashion
## 127	127	Mumbai	4300	27	0.4	Books
## 128	128	Chennai	3760	22	4.6	Women's Fashion
## 129	129	Chennai	2937	28	1.6	Men's Fashion
## 130	130	Chennai	3473	34	3.7	Women's Fashion
## 131	131	Mumbai	3385	25	1.0	Women's Fashion
## 132	132	Pune	2659	31	4.6	Men's Fashion
## 133	133	Banglore	4779	11	3.8	Books
## 134	134	Banglore	1482	21	3.0	Laptop & Computers
## 135	135	Banglore	4699	8	0.2	Books
## 136	136	Pune	3211	12	1.8	Men's Fashion
## 137	137	Pune	1853	21	3.1	Laptop & Computers
## 138	138	Delhi	1410	13	2.5	Laptop & Computers
## 139	139	Mumbai	1454	21	4.0	Laptop & Computers
## 140	140	Banglore	2083	31	2.4	Laptop & Computers
## 141	141	Delhi	1611	7	4.4	Laptop & Computers
## 142	142	Delhi	4943	6	3.8	Books
## 143	143	Banglore	2504	23	0.8	Laptop & Computers
## 144	144	Pune	1635	7	4.4	Laptop & Computers
## 145	145	Pune	3438	25	0.2	Women's Fashion
## 146	146	Chennai	1414	30	2.7	Laptop & Computers
## 147	147	Mumbai	4069	10	3.4	Women's Fashion

## 148	148	Delhi	4428	31	1.8	Books
## 149	149	Mumbai	3043	7	1.0	Men's Fashion
## 150	150	Pune	2924	33	2.3	Men's Fashion
## 151	151	Delhi	2774	4	2.6	Men's Fashion
## 152	152	Mumbai	1080	31	3.1	Mobiles
## 153	153	Banglore	4859	10	3.5	Books
## 154	154	Mumbai	2317	34	1.1	Laptop & Computers
## 155	155	Banglore	2930	33	4.4	Men's Fashion
## 156	156	Mumbai	1494	8	3.7	Laptop & Computers
## 157	157	Banglore	3470	31	1.9	Women's Fashion
## 158	158	Pune	2822	8	1.4	Men's Fashion
## 159	159	Pune	4586	18	1.4	Books
## 160	160	Pune	4026	20	4.6	Women's Fashion
## 161	161	Mumbai	4571	33	1.9	Books
## 162	162	Delhi	3975	9	0.7	Women's Fashion
## 163	163	Delhi	1122	14	4.5	Mobiles
## 164	164	Banglore	3457	18	3.7	Women's Fashion
## 165	165	Mumbai	3536	10	4.7	Women's Fashion
## 166	166	Mumbai	2560	34	2.9	Laptop & Computers
## 167	167	Mumbai	2132	6	1.7	Laptop & Computers
## 168	168	Chennai	3490	22	2.5	Women's Fashion
## 169	169	Chennai	1760	23	4.1	Laptop & Computers
## 170	170	Delhi	3504	30	0.2	Women's Fashion
## 171	171	Chennai	4756	29	1.8	Books
## 172	172	Delhi	2090	12	2.4	Laptop & Computers
## 173	173	Chennai	2051	28	1.5	Laptop & Computers
## 174	174	Pune	1738	16	3.9	Laptop & Computers
## 175	175	Chennai	3898	10	3.6	Women's Fashion
## 176	176	Delhi	4904	30	0.1	Books
## 177	177	Delhi	4082	28	3.9	Women's Fashion
## 178	178	Delhi	4031	12	4.0	Women's Fashion
## 179	179	Delhi	3559	16	3.1	Women's Fashion
## 180	180	Pune	1863	6	4.8	Laptop & Computers
## 181	181	Delhi	1291	31	1.5	Mobiles
## 182	182	Delhi	2419	6	2.9	Laptop & Computers
## 183	183	Banglore	3540	22	3.9	Women's Fashion
## 184	184	Delhi	1485	26	2.5	Laptop & Computers
## 185	185	Banglore	4795	14	4.2	Books
## 186	186	Chennai	3254	27	5.0	Men's Fashion
## 187	187	Pune	1974	30	3.0	Laptop & Computers
## 188	188	Banglore	2326	7	3.1	Laptop & Computers
## 189	189	Delhi	4283	15	4.5	Books
## 190	190	Pune	1839	16	1.4	Laptop & Computers
## 191	191	Mumbai	3619	9	0.8	Women's Fashion
## 192	192	Banglore	2069	23	0.5	Laptop & Computers
## 193	193	Delhi	4301	18	2.3	Books
## 194	194	Pune	1250	18	1.4	Mobiles
## 195	195	Pune	2949	27	0.7	Men's Fashion
## 196	196	Pune	4281	18	1.5	Books
## 197	197	Pune	4673	23	2.9	Books
## 198	198	Mumbai	3050	11	2.0	Men's Fashion
## 199	199	Chennai	2042	31	5.0	Laptop & Computers
## 200	200	Chennai	2048	17	4.6	Laptop & Computers
## 201	201	Delhi	3229	9	0.8	Men's Fashion

## 202	202	Banglore	4900	32	3.6	Books
## 203	203	Mumbai	3535	19	3.3	Women's Fashion
## 204	204	Pune	2060	30	2.9	Laptop & Computers
## 205	205	Banglore	1808	33	0.4	Laptop & Computers
## 206	206	Pune	4615	21	4.1	Books
## 207	207	Chennai	2264	29	3.6	Laptop & Computers
## 208	208	Pune	1143	13	3.3	Mobiles
## 209	209	Banglore	4929	6	2.6	Books
## 210	210	Banglore	2534	22	1.8	Laptop & Computers
## 211	211	Pune	2703	28	4.4	Men's Fashion
## 212	212	Pune	4417	25	2.4	Books
## 213	213	Mumbai	2770	19	3.0	Men's Fashion
## 214	214	Mumbai	1498	11	4.1	Laptop & Computers
## 215	215	Delhi	4294	8	4.4	Books
## 216	216	Pune	1095	5	1.2	Mobiles
## 217	217	Mumbai	3861	11	1.9	Women's Fashion
## 218	218	Pune	3683	12	1.9	Women's Fashion
## 219	219	Pune	3446	20	3.0	Women's Fashion
## 220	220	Pune	4013	19	3.0	Women's Fashion
## 221	221	Mumbai	4159	33	4.8	Women's Fashion
## 222	222	Delhi	2230	34	2.2	Laptop & Computers
## 223	223	Mumbai	1583	11	2.7	Laptop & Computers
## 224	224	Delhi	4023	29	4.8	Women's Fashion
## 225	225	Mumbai	3397	14	1.4	Women's Fashion
## 226	226	Banglore	1062	22	5.0	Mobiles
## 227	227	Pune	1660	34	1.9	Laptop & Computers
## 228	228	Pune	1434	17	1.6	Laptop & Computers
## 229	229	Pune	3030	31	1.4	Men's Fashion
## 230	230	Pune	4528	32	0.8	Books
## 231	231	Chennai	1036	18	4.8	Mobiles
## 232	232	Delhi	2697	12	0.7	Men's Fashion
## 233	233	Chennai	4741	9	4.5	Books
## 234	234	Pune	2156	27	1.4	Laptop & Computers
## 235	235	Chennai	1873	18	4.5	Laptop & Computers
## 236	236	Delhi	2636	11	2.6	Men's Fashion
## 237	237	Banglore	1865	19	0.0	Laptop & Computers
## 238	238	Delhi	2021	33	4.0	Laptop & Computers
## 239	239	Mumbai	3746	34	0.9	Women's Fashion
## 240	240	Delhi	3330	24	2.3	Women's Fashion
## 241	241	Mumbai	4730	22	1.3	Books
## 242	242	Delhi	4564	18	1.6	Books
## 243	243	Banglore	3520	12	2.5	Women's Fashion
## 244	244	Chennai	2661	8	0.3	Men's Fashion
## 245	245	Pune	2246	5	1.8	Laptop & Computers
## 246	246	Pune	4369	33	1.7	Books
## 247	247	Delhi	1428	8	4.8	Laptop & Computers
## 248	248	Pune	3252	13	0.2	Men's Fashion
## 249	249	Pune	2397	8	1.2	Laptop & Computers
## 250	250	Chennai	3932	5	0.9	Women's Fashion
## 251	251	Banglore	4890	33	1.6	Books
## 252	252	Chennai	3003	30	1.3	Men's Fashion
## 253	253	Chennai	2840	30	2.3	Men's Fashion
## 254	254	Chennai	1662	22	3.4	Laptop & Computers
## 255	255	Chennai	2627	16	0.6	Men's Fashion

## 256	256	Delhi	3544	28	3.4	Women's Fashion
## 257	257	Pune	3997	33	0.2	Women's Fashion
## 258	258	Mumbai	4131	34	0.2	Women's Fashion
## 259	259	Delhi	3062	28	1.1	Men's Fashion
## 260	260	Chennai	4773	13	3.2	Books
## 261	261	Banglore	3259	16	3.0	Men's Fashion
## 262	262	Banglore	1511	16	2.5	Laptop & Computers
## 263	263	Pune	1144	25	1.2	Mobiles
## 264	264	Mumbai	3766	24	3.9	Women's Fashion
## 265	265	Banglore	2462	23	1.8	Laptop & Computers
## 266	266	Chennai	3312	23	4.9	Women's Fashion
## 267	267	Delhi	1637	34	3.0	Laptop & Computers
## 268	268	Banglore	4919	34	0.2	Books
## 269	269	Mumbai	2453	20	1.1	Laptop & Computers
## 270	270	Banglore	2678	26	3.0	Men's Fashion
## 271	271	Mumbai	4198	31	2.6	Women's Fashion
## 272	272	Chennai	3104	20	4.6	Men's Fashion
## 273	273	Mumbai	3669	25	0.1	Women's Fashion
## 274	274	Pune	2407	31	3.0	Laptop & Computers
## 275	275	Chennai	4761	18	4.1	Books
## 276	276	Delhi	3432	22	5.0	Women's Fashion
## 277	277	Chennai	4337	23	2.3	Books
## 278	278	Mumbai	1151	20	0.2	Mobiles
## 279	279	Banglore	4597	18	2.8	Books
## 280	280	Delhi	2424	26	3.2	Laptop & Computers
## 281	281	Pune	4804	12	5.0	Books
## 282	282	Chennai	3819	33	1.5	Women's Fashion
## 283	283	Mumbai	3130	20	3.6	Men's Fashion
## 284	284	Delhi	1081	11	1.8	Mobiles
## 285	285	Mumbai	1880	17	5.0	Laptop & Computers
## 286	286	Chennai	3242	18	1.0	Men's Fashion
## 287	287	Pune	4455	34	0.4	Books
## 288	288	Chennai	2484	28	2.8	Laptop & Computers
## 289	289	Chennai	2161	17	4.8	Laptop & Computers
## 290	290	Mumbai	2936	30	3.6	Men's Fashion
## 291	291	Banglore	2613	4	4.1	Men's Fashion
## 292	292	Mumbai	4823	12	5.0	Books
## 293	293	Delhi	4170	13	3.4	Women's Fashion
## 294	294	Mumbai	1582	27	2.6	Laptop & Computers
## 295	295	Pune	1226	17	1.8	Mobiles
## 296	296	Mumbai	1770	20	4.3	Laptop & Computers
## 297	297	Delhi	1258	29	2.4	Mobiles
## 298	298	Mumbai	2035	7	0.2	Laptop & Computers
## 299	299	Banglore	4810	22	4.8	Books
## 300	300	Mumbai	1352	21	4.9	Mobiles
## 301	301	Chennai	2950	20	4.7	Men's Fashion
## 302	302	Banglore	3636	6	0.0	Women's Fashion
## 303	303	Delhi	3279	16	1.3	Women's Fashion
## 304	304	Banglore	3066	13	1.2	Men's Fashion
## 305	305	Mumbai	3225	20	4.0	Men's Fashion
## 306	306	Banglore	4102	17	3.8	Women's Fashion
## 307	307	Chennai	1066	34	0.4	Mobiles
## 308	308	Mumbai	3507	27	3.2	Women's Fashion
## 309	309	Banglore	1094	6	2.5	Mobiles

## 310	310	Chennai	4354	10	3.4	Books
## 311	311	Pune	4438	6	0.6	Books
## 312	312	Chennai	3689	6	4.7	Women's Fashion
## 313	313	Pune	2054	6	4.2	Laptop & Computers
## 314	314	Pune	1681	24	3.2	Laptop & Computers
## 315	315	Mumbai	1087	15	1.0	Mobiles
## 316	316	Mumbai	1002	31	2.7	Mobiles
## 317	317	Banglore	2948	4	4.7	Men's Fashion
## 318	318	Pune	4444	34	4.9	Books
## 319	319	Mumbai	1800	29	1.1	Laptop & Computers
## 320	320	Delhi	2458	16	0.6	Laptop & Computers
## 321	321	Mumbai	4799	11	2.9	Books
## 322	322	Mumbai	2316	22	1.9	Laptop & Computers
## 323	323	Mumbai	1466	21	2.9	Laptop & Computers
## 324	324	Delhi	2546	34	4.6	Laptop & Computers
## 325	325	Pune	3628	6	3.5	Women's Fashion
## 326	326	Banglore	3808	15	1.9	Women's Fashion
## 327	327	Mumbai	3396	34	4.8	Women's Fashion
## 328	328	Banglore	3288	30	5.0	Women's Fashion
## 329	329	Delhi	3404	18	0.6	Women's Fashion
## 330	330	Mumbai	2641	5	1.4	Men's Fashion
## 331	331	Pune	4122	34	1.2	Women's Fashion
## 332	332	Mumbai	4490	13	3.9	Books
## 333	333	Chennai	2946	33	4.0	Men's Fashion
## 334	334	Mumbai	1978	22	4.3	Laptop & Computers
## 335	335	Pune	1107	27	1.7	Mobiles
## 336	336	Pune	1856	6	2.9	Laptop & Computers
## 337	337	Mumbai	3178	32	2.3	Men's Fashion
## 338	338	Delhi	2395	24	2.1	Laptop & Computers
## 339	339	Pune	1368	4	4.5	Mobiles
## 340	340	Pune	4973	22	1.5	Books
## 341	341	Chennai	2536	19	2.8	Laptop & Computers
## 342	342	Banglore	2292	8	0.1	Laptop & Computers
## 343	343	Mumbai	3728	22	4.3	Women's Fashion
## 344	344	Delhi	3854	22	3.9	Women's Fashion
## 345	345	Chennai	4204	14	1.7	Women's Fashion
## 346	346	Pune	4040	8	3.6	Women's Fashion
## 347	347	Banglore	2442	28	4.4	Laptop & Computers
## 348	348	Delhi	3054	32	0.7	Men's Fashion
## 349	349	Pune	3543	20	2.2	Women's Fashion
## 350	350	Mumbai	2450	8	4.3	Laptop & Computers
## 351	351	Banglore	3336	13	0.7	Women's Fashion
## 352	352	Delhi	1586	22	2.2	Laptop & Computers
## 353	353	Mumbai	2530	6	2.8	Laptop & Computers
## 354	354	Delhi	4099	30	3.8	Women's Fashion
## 355	355	Pune	1239	22	4.7	Mobiles
## 356	356	Banglore	2393	15	0.2	Laptop & Computers
## 357	357	Delhi	4211	28	3.5	Women's Fashion
## 358	358	Banglore	1375	23	2.8	Mobiles
## 359	359	Chennai	2350	6	4.1	Laptop & Computers
## 360	360	Banglore	2757	23	0.6	Men's Fashion
## 361	361	Mumbai	1147	20	0.5	Mobiles
## 362	362	Mumbai	2821	21	5.0	Men's Fashion
## 363	363	Mumbai	2838	19	3.5	Men's Fashion

## 364	364	Banglore	4043	4	4.4	Women's Fashion
## 365	365	Mumbai	1787	17	4.8	Laptop & Computers
## 366	366	Mumbai	2136	16	0.4	Laptop & Computers
## 367	367	Pune	4768	12	2.7	Books
## 368	368	Mumbai	1198	10	2.9	Mobiles
## 369	369	Chennai	3958	8	0.3	Women's Fashion
## 370	370	Pune	4866	4	3.0	Books
## 371	371	Mumbai	4367	29	4.1	Books
## 372	372	Chennai	2320	31	0.0	Laptop & Computers
## 373	373	Mumbai	4627	6	1.4	Books
## 374	374	Mumbai	2233	10	3.4	Laptop & Computers
## 375	375	Mumbai	1733	19	1.4	Laptop & Computers
## 376	376	Delhi	1599	14	4.4	Laptop & Computers
## 377	377	Chennai	2045	4	1.6	Laptop & Computers
## 378	378	Chennai	4321	14	1.2	Books
## 379	379	Chennai	1634	30	3.3	Laptop & Computers
## 380	380	Chennai	3093	31	1.1	Men's Fashion
## 381	381	Delhi	1271	19	3.1	Mobiles
## 382	382	Mumbai	2052	21	4.6	Laptop & Computers
## 383	383	Delhi	1961	15	3.3	Laptop & Computers
## 384	384	Chennai	1043	27	2.4	Mobiles
## 385	385	Banglore	3872	10	1.5	Women's Fashion
## 386	386	Chennai	4573	33	4.9	Books
## 387	387	Pune	2127	23	1.2	Laptop & Computers
## 388	388	Chennai	3257	33	0.7	Men's Fashion
## 389	389	Mumbai	3660	18	2.5	Women's Fashion
## 390	390	Chennai	2657	7	3.7	Men's Fashion
## 391	391	Chennai	1556	23	4.3	Laptop & Computers
## 392	392	Delhi	3311	20	1.2	Women's Fashion
## 393	393	Banglore	2430	22	0.1	Laptop & Computers
## 394	394	Banglore	2195	10	3.5	Laptop & Computers
## 395	395	Pune	2991	18	4.3	Men's Fashion
## 396	396	Delhi	4478	16	0.2	Books
## 397	397	Banglore	2820	11	1.0	Men's Fashion
## 398	398	Mumbai	1038	12	4.4	Mobiles
## 399	399	Delhi	2903	15	3.6	Men's Fashion
## 400	400	Delhi	1322	21	2.5	Mobiles
## 401	401	Mumbai	4744	33	5.0	Books
## 402	402	Banglore	4427	27	3.6	Books
## 403	403	Chennai	1824	25	3.2	Laptop & Computers
## 404	404	Mumbai	4059	29	0.5	Women's Fashion
## 405	405	Mumbai	4356	30	3.1	Books
## 406	406	Pune	2193	17	1.2	Laptop & Computers
## 407	407	Banglore	1134	19	0.4	Mobiles
## 408	408	Delhi	2207	32	2.0	Laptop & Computers
## 409	409	Mumbai	2029	5	4.7	Laptop & Computers
## 410	410	Pune	2970	15	2.9	Men's Fashion
## 411	411	Delhi	3339	28	3.2	Women's Fashion
## 412	412	Pune	2900	25	1.0	Men's Fashion
## 413	413	Mumbai	4012	11	2.9	Women's Fashion
## 414	414	Mumbai	2115	21	1.7	Laptop & Computers
## 415	415	Banglore	3717	8	4.4	Women's Fashion
## 416	416	Pune	1951	29	2.3	Laptop & Computers
## 417	417	Banglore	4514	16	0.1	Books

## 418	418	Delhi	2923	11	3.2	Men's Fashion
## 419	419	Chennai	4911	26	3.6	Books
## 420	420	Delhi	4830	15	5.0	Books
## 421	421	Banglore	1425	11	4.7	Laptop & Computers
## 422	422	Mumbai	3228	26	3.7	Men's Fashion
## 423	423	Chennai	2792	32	4.6	Men's Fashion
## 424	424	Mumbai	1380	10	0.7	Laptop & Computers
## 425	425	Chennai	4815	19	0.4	Books
## 426	426	Chennai	3749	6	4.7	Women's Fashion
## 427	427	Delhi	1802	25	3.4	Laptop & Computers
## 428	428	Pune	3830	7	5.0	Women's Fashion
## 429	429	Delhi	3896	28	4.5	Women's Fashion
## 430	430	Pune	3188	23	2.4	Men's Fashion
## 431	431	Banglore	2377	34	5.0	Laptop & Computers
## 432	432	Chennai	2332	32	3.1	Laptop & Computers
## 433	433	Banglore	2611	13	2.6	Men's Fashion
## 434	434	Mumbai	1735	10	0.5	Laptop & Computers
## 435	435	Banglore	3414	28	0.0	Women's Fashion
## 436	436	Banglore	1289	27	1.8	Mobiles
## 437	437	Chennai	2112	9	0.1	Laptop & Computers
## 438	438	Delhi	2999	22	2.4	Men's Fashion
## 439	439	Chennai	3421	7	0.2	Women's Fashion
## 440	440	Delhi	1305	16	2.9	Mobiles
## 441	441	Banglore	4340	20	2.8	Books
## 442	442	Chennai	2223	8	3.8	Laptop & Computers
## 443	443	Delhi	1293	31	2.1	Mobiles
## 444	444	Mumbai	1747	33	1.5	Laptop & Computers
## 445	445	Chennai	4532	27	2.5	Books
## 446	446	Pune	4393	30	2.1	Books
## 447	447	Pune	3531	7	2.0	Women's Fashion
## 448	448	Pune	4258	31	4.0	Books
## 449	449	Banglore	3539	34	1.8	Women's Fashion
## 450	450	Mumbai	4338	32	0.9	Books
## 451	451	Mumbai	1253	13	1.6	Mobiles
## 452	452	Chennai	2305	24	0.7	Laptop & Computers
## 453	453	Mumbai	1626	4	1.7	Laptop & Computers
## 454	454	Mumbai	4797	32	2.5	Books
## 455	455	Mumbai	4326	18	3.8	Books
## 456	456	Chennai	2248	33	2.0	Laptop & Computers
## 457	457	Chennai	1773	6	2.0	Laptop & Computers
## 458	458	Banglore	2676	18	2.1	Men's Fashion
## 459	459	Pune	3948	16	2.0	Women's Fashion
## 460	460	Pune	3175	20	2.3	Men's Fashion
## 461	461	Mumbai	4412	16	1.7	Books
## 462	462	Delhi	3678	5	1.2	Women's Fashion
## 463	463	Mumbai	4183	24	3.6	Women's Fashion
## 464	464	Mumbai	4776	15	3.4	Books
## 465	465	Banglore	3720	18	3.6	Women's Fashion
## 466	466	Mumbai	1650	5	1.4	Laptop & Computers
## 467	467	Delhi	4805	28	2.7	Books
## 468	468	Delhi	1812	19	3.4	Laptop & Computers
## 469	469	Chennai	4415	25	3.1	Books
## 470	470	Banglore	2525	21	3.1	Laptop & Computers
## 471	471	Banglore	3177	16	3.0	Men's Fashion

## 472	472	Banglore	2312	11	2.0	Laptop & Computers
## 473	473	Pune	3020	29	4.7	Men's Fashion
## 474	474	Pune	1370	9	3.6	Mobiles
## 475	475	Mumbai	2071	15	0.4	Laptop & Computers
## 476	476	Chennai	2061	16	3.8	Laptop & Computers
## 477	477	Delhi	4060	5	1.6	Women's Fashion
## 478	478	Pune	2351	7	2.7	Laptop & Computers
## 479	479	Pune	4460	30	1.9	Books
## 480	480	Banglore	3799	15	2.1	Women's Fashion
## 481	481	Banglore	3658	6	4.3	Women's Fashion
## 482	482	Mumbai	3034	14	1.6	Men's Fashion
## 483	483	Banglore	3996	16	4.5	Women's Fashion
## 484	484	Pune	2005	33	3.6	Laptop & Computers
## 485	485	Chennai	1344	8	0.0	Mobiles
## 486	486	Chennai	4378	29	3.5	Books
## 487	487	Mumbai	2887	22	2.9	Men's Fashion
## 488	488	Pune	1602	8	3.3	Laptop & Computers
## 489	489	Chennai	1819	34	0.7	Laptop & Computers
## 490	490	Delhi	4001	4	1.9	Women's Fashion
## 491	491	Banglore	2861	9	4.7	Men's Fashion
## 492	492	Chennai	2268	16	1.1	Laptop & Computers
## 493	493	Delhi	2600	8	0.4	Men's Fashion
## 494	494	Chennai	2779	24	2.7	Men's Fashion
## 495	495	Chennai	3706	26	3.8	Women's Fashion
## 496	496	Pune	2729	19	1.9	Men's Fashion
## 497	497	Mumbai	4160	33	4.8	Women's Fashion
## 498	498	Banglore	1642	4	1.7	Laptop & Computers
## 499	499	Pune	4960	14	3.0	Books
## 500	500	Delhi	4792	33	4.1	Books
## 501	501	Banglore	2756	21	2.4	Men's Fashion
## 502	502	Pune	4390	16	2.3	Books
## 503	503	Chennai	2359	27	2.5	Laptop & Computers
## 504	504	Delhi	3069	25	4.4	Men's Fashion
## 505	505	Mumbai	1312	5	4.0	Mobiles
## 506	506	Mumbai	3132	4	2.5	Men's Fashion
## 507	507	Mumbai	2960	8	1.3	Men's Fashion
## 508	508	Delhi	4667	22	4.4	Books
## 509	509	Banglore	4145	19	2.6	Women's Fashion
## 510	510	Pune	2680	9	4.9	Men's Fashion
## 511	511	Delhi	3567	24	3.2	Women's Fashion
## 512	512	Pune	3577	18	3.6	Women's Fashion
## 513	513	Banglore	3790	31	2.6	Women's Fashion
## 514	514	Pune	3231	11	0.7	Men's Fashion
## 515	515	Banglore	4220	8	3.2	Books
## 516	516	Mumbai	2557	19	5.0	Laptop & Computers
## 517	517	Banglore	1916	6	3.6	Laptop & Computers
## 518	518	Pune	2100	22	1.2	Laptop & Computers
## 519	519	Pune	3724	24	1.7	Women's Fashion
## 520	520	Pune	2506	17	2.9	Laptop & Computers
## 521	521	Delhi	4364	28	5.0	Books
## 522	522	Delhi	2358	22	4.9	Laptop & Computers
## 523	523	Chennai	4035	30	4.0	Women's Fashion
## 524	524	Banglore	4920	23	4.7	Books
## 525	525	Pune	2183	29	4.3	Laptop & Computers

## 526	526	Pune	3527	9	4.5	Women's Fashion
## 527	527	Pune	4700	24	0.0	Books
## 528	528	Chennai	4495	4	0.9	Books
## 529	529	Delhi	3415	23	0.4	Women's Fashion
## 530	530	Mumbai	1955	22	1.1	Laptop & Computers
## 531	531	Banglore	1996	5	3.9	Laptop & Computers
## 532	532	Chennai	3879	28	3.7	Women's Fashion
## 533	533	Banglore	4396	6	2.8	Books
## 534	534	Banglore	3598	33	1.9	Women's Fashion
## 535	535	Banglore	3331	32	0.7	Women's Fashion
## 536	536	Banglore	1051	10	3.5	Mobiles
## 537	537	Mumbai	2939	34	4.0	Men's Fashion
## 538	538	Delhi	2040	25	3.4	Laptop & Computers
## 539	539	Delhi	4809	19	4.8	Books
## 540	540	Chennai	3852	29	2.2	Women's Fashion
## 541	541	Banglore	3357	25	3.9	Women's Fashion
## 542	542	Delhi	1723	28	2.9	Laptop & Computers
## 543	543	Banglore	3863	24	4.6	Women's Fashion
## 544	544	Chennai	4386	12	0.2	Books
## 545	545	Mumbai	1395	22	4.1	Laptop & Computers
## 546	546	Banglore	4140	13	1.4	Women's Fashion
## 547	547	Chennai	4647	20	4.1	Books
## 548	548	Banglore	1870	11	4.5	Laptop & Computers
## 549	549	Mumbai	4636	21	4.6	Books
## 550	550	Mumbai	1496	23	1.4	Laptop & Computers
## 551	551	Chennai	1158	29	1.7	Mobiles
## 552	552	Banglore	3089	10	1.7	Men's Fashion
## 553	553	Banglore	2274	24	1.1	Laptop & Computers
## 554	554	Chennai	4975	27	1.5	Books
## 555	555	Delhi	3263	24	4.0	Men's Fashion
## 556	556	Delhi	1409	25	1.9	Laptop & Computers
## 557	557	Delhi	1044	24	4.0	Mobiles
## 558	558	Chennai	4734	27	4.5	Books
## 559	559	Banglore	4970	21	0.9	Books
## 560	560	Chennai	2656	16	4.5	Men's Fashion
## 561	561	Pune	3876	8	1.1	Women's Fashion
## 562	562	Pune	4949	6	4.7	Books
## 563	563	Banglore	2549	8	4.0	Laptop & Computers
## 564	564	Chennai	2139	18	0.4	Laptop & Computers
## 565	565	Banglore	3284	31	4.5	Women's Fashion
## 566	566	Pune	3428	6	3.0	Women's Fashion
## 567	567	Mumbai	2201	34	3.7	Laptop & Computers
## 568	568	Chennai	4168	24	4.2	Women's Fashion
## 569	569	Banglore	1292	19	1.0	Mobiles
## 570	570	Mumbai	1538	31	4.1	Laptop & Computers
## 571	571	Banglore	1967	32	0.4	Laptop & Computers
## 572	572	Chennai	1821	8	2.2	Laptop & Computers
## 573	573	Banglore	2632	8	2.2	Men's Fashion
## 574	574	Pune	3468	10	4.4	Women's Fashion
## 575	575	Banglore	1588	20	3.5	Laptop & Computers
## 576	576	Mumbai	3065	31	4.4	Men's Fashion
## 577	577	Mumbai	3358	23	2.9	Women's Fashion
## 578	578	Pune	2714	23	1.2	Men's Fashion
## 579	579	Chennai	4434	25	1.2	Books

## 580	580	Pune	2007	15	4.7	Laptop & Computers
## 581	581	Chennai	1363	20	3.5	Mobiles
## 582	582	Chennai	1512	17	3.5	Laptop & Computers
## 583	583	Mumbai	3121	8	2.5	Men's Fashion
## 584	584	Delhi	4076	4	1.8	Women's Fashion
## 585	585	Pune	4948	7	3.0	Books
## 586	586	Pune	1573	33	1.0	Laptop & Computers
## 587	587	Banglore	1679	25	2.3	Laptop & Computers
## 588	588	Pune	2957	5	2.8	Men's Fashion
## 589	589	Banglore	4969	11	3.6	Books
## 590	590	Delhi	4411	23	0.9	Books
## 591	591	Pune	1199	19	3.6	Mobiles
## 592	592	Banglore	3338	30	2.4	Women's Fashion
## 593	593	Pune	1726	15	4.6	Laptop & Computers
## 594	594	Delhi	1231	8	0.3	Mobiles
## 595	595	Delhi	1989	31	1.3	Laptop & Computers
## 596	596	Banglore	3606	10	4.9	Women's Fashion
## 597	597	Chennai	3434	23	4.1	Women's Fashion
## 598	598	Mumbai	4671	20	0.1	Books
## 599	599	Delhi	1206	21	3.8	Mobiles
## 600	600	Chennai	3235	34	3.4	Men's Fashion
## 601	601	Chennai	3281	13	1.5	Women's Fashion
## 602	602	Delhi	2837	30	4.6	Men's Fashion
## 603	603	Mumbai	3769	28	2.6	Women's Fashion
## 604	604	Delhi	4489	27	1.5	Books
## 605	605	Mumbai	1267	29	2.0	Mobiles
## 606	606	Banglore	3191	16	3.5	Men's Fashion
## 607	607	Banglore	4629	33	2.4	Books
## 608	608	Pune	2299	12	5.0	Laptop & Computers
## 609	609	Pune	3152	28	1.4	Men's Fashion
## 610	610	Mumbai	3477	32	2.6	Women's Fashion
## 611	611	Chennai	4273	29	0.9	Books
## 612	612	Delhi	1943	17	4.9	Laptop & Computers
## 613	613	Pune	1104	23	2.8	Mobiles
## 614	614	Delhi	2668	16	3.3	Men's Fashion
## 615	615	Mumbai	2211	32	5.0	Laptop & Computers
## 616	616	Banglore	4245	30	4.3	Books
## 617	617	Pune	3718	21	2.3	Women's Fashion
## 618	618	Pune	4109	4	1.9	Women's Fashion
## 619	619	Pune	3234	8	2.8	Men's Fashion
## 620	620	Delhi	2002	30	4.3	Laptop & Computers
## 621	621	Pune	3570	11	2.2	Women's Fashion
## 622	622	Banglore	2897	25	3.2	Men's Fashion
## 623	623	Mumbai	1068	4	4.1	Mobiles
## 624	624	Chennai	2174	22	2.7	Laptop & Computers
## 625	625	Mumbai	4925	8	0.7	Books
## 626	626	Pune	2942	16	4.8	Men's Fashion
## 627	627	Pune	3988	21	2.7	Women's Fashion
## 628	628	Delhi	2955	26	3.5	Men's Fashion
## 629	629	Delhi	2772	33	4.5	Men's Fashion
## 630	630	Pune	2629	22	2.6	Men's Fashion
## 631	631	Chennai	4020	21	4.4	Women's Fashion
## 632	632	Banglore	4951	12	3.3	Books
## 633	633	Chennai	4119	19	4.7	Women's Fashion

## 634	634	Pune	3083	15	3.8	Men's Fashion
## 635	635	Delhi	4107	17	0.2	Women's Fashion
## 636	636	Chennai	1658	4	2.4	Laptop & Computers
## 637	637	Pune	3526	13	2.5	Women's Fashion
## 638	638	Banglore	2418	8	2.6	Laptop & Computers
## 639	639	Mumbai	4983	15	4.6	Books
## 640	640	Pune	2372	33	3.5	Laptop & Computers
## 641	641	Pune	1120	11	2.4	Mobiles
## 642	642	Chennai	4108	9	3.1	Women's Fashion
## 643	643	Mumbai	4262	32	1.4	Books
## 644	644	Chennai	2572	23	4.4	Laptop & Computers
## 645	645	Chennai	2592	11	2.9	Men's Fashion
## 646	646	Mumbai	2880	7	4.0	Men's Fashion
## 647	647	Pune	2582	12	1.7	Men's Fashion
## 648	648	Mumbai	1141	6	3.8	Mobiles
## 649	649	Banglore	3545	20	3.8	Women's Fashion
## 650	650	Banglore	2065	26	0.7	Laptop & Computers
## 651	651	Banglore	3022	11	3.2	Men's Fashion
## 652	652	Pune	2186	33	4.2	Laptop & Computers
## 653	653	Pune	3895	18	3.3	Women's Fashion
## 654	654	Delhi	3222	6	2.9	Men's Fashion
## 655	655	Delhi	2149	13	4.6	Laptop & Computers
## 656	656	Mumbai	2469	18	1.0	Laptop & Computers
## 657	657	Delhi	2726	31	4.7	Men's Fashion
## 658	658	Chennai	2496	13	2.2	Laptop & Computers
## 659	659	Chennai	4670	17	1.2	Books
## 660	660	Banglore	2294	18	1.0	Laptop & Computers
## 661	661	Banglore	1137	18	0.2	Mobiles
## 662	662	Chennai	4185	24	1.6	Women's Fashion
## 663	663	Banglore	1988	21	4.7	Laptop & Computers
## 664	664	Banglore	2313	21	4.8	Laptop & Computers
## 665	665	Banglore	3155	15	3.7	Men's Fashion
## 666	666	Chennai	4219	19	1.1	Women's Fashion
## 667	667	Chennai	4500	12	4.1	Books
## 668	668	Pune	1491	23	0.6	Laptop & Computers
## 669	669	Banglore	1608	12	1.8	Laptop & Computers
## 670	670	Mumbai	1233	17	2.9	Mobiles
## 671	671	Pune	2883	13	3.8	Men's Fashion
## 672	672	Delhi	2095	17	5.0	Laptop & Computers
## 673	673	Pune	3864	15	1.8	Women's Fashion
## 674	674	Banglore	4358	19	1.3	Books
## 675	675	Delhi	1319	12	4.5	Mobiles
## 676	676	Mumbai	1703	8	4.8	Laptop & Computers
## 677	677	Mumbai	2589	31	1.5	Men's Fashion
## 678	678	Mumbai	3157	17	1.5	Men's Fashion
## 679	679	Chennai	2178	34	3.7	Laptop & Computers
## 680	680	Delhi	2141	9	1.2	Laptop & Computers
## 681	681	Mumbai	4565	30	1.9	Books
## 682	682	Banglore	4661	14	4.9	Books
## 683	683	Banglore	3918	14	1.7	Women's Fashion
## 684	684	Delhi	4266	13	2.5	Books
## 685	685	Mumbai	2688	8	0.5	Men's Fashion
## 686	686	Pune	1345	26	2.8	Mobiles
## 687	687	Chennai	2562	26	0.0	Laptop & Computers

## 688	688	Banglore	1558	26	1.7	Laptop & Computers
## 689	689	Chennai	3659	16	1.6	Women's Fashion
## 690	690	Pune	4758	7	0.1	Books
## 691	691	Chennai	2823	16	3.5	Men's Fashion
## 692	692	Delhi	4086	33	4.4	Women's Fashion
## 693	693	Pune	1956	16	0.1	Laptop & Computers
## 694	694	Chennai	3868	16	4.3	Women's Fashion
## 695	695	Delhi	4052	19	2.5	Women's Fashion
## 696	696	Delhi	2704	7	0.4	Men's Fashion
## 697	697	Pune	4397	7	1.2	Books
## 698	698	Banglore	1166	27	3.5	Mobiles
## 699	699	Banglore	4448	29	0.1	Books
## 700	700	Banglore	3150	22	2.2	Men's Fashion
## 701	701	Delhi	3439	34	0.9	Women's Fashion
## 702	702	Chennai	3272	14	3.7	Women's Fashion
## 703	703	Mumbai	3359	27	0.3	Women's Fashion
## 704	704	Mumbai	4050	32	0.8	Women's Fashion
## 705	705	Banglore	4724	28	3.1	Books
## 706	706	Chennai	4126	8	0.0	Women's Fashion
## 707	707	Banglore	2482	24	2.2	Laptop & Computers
## 708	708	Pune	3927	34	4.7	Women's Fashion
## 709	709	Chennai	3070	13	3.5	Men's Fashion
## 710	710	Banglore	3809	8	1.7	Women's Fashion
## 711	711	Chennai	3366	28	3.5	Women's Fashion
## 712	712	Chennai	2017	28	4.2	Laptop & Computers
## 713	713	Chennai	2354	18	3.4	Laptop & Computers
## 714	714	Pune	3946	7	3.8	Women's Fashion
## 715	715	Pune	1751	17	1.4	Laptop & Computers
## 716	716	Chennai	1304	21	0.9	Mobiles
## 717	717	Chennai	2791	13	4.5	Men's Fashion
## 718	718	Pune	3341	5	3.1	Women's Fashion
## 719	719	Chennai	4275	10	0.3	Books
## 720	720	Pune	3025	6	3.3	Men's Fashion
## 721	721	Banglore	3374	19	1.0	Women's Fashion
## 722	722	Banglore	4802	18	2.3	Books
## 723	723	Banglore	4641	30	2.2	Books
## 724	724	Banglore	4808	19	2.1	Books
## 725	725	Chennai	4058	24	3.1	Women's Fashion
## 726	726	Chennai	1530	33	1.3	Laptop & Computers
## 727	727	Delhi	1781	33	4.1	Laptop & Computers
## 728	728	Pune	3221	7	1.2	Men's Fashion
## 729	729	Banglore	4259	34	0.9	Books
## 730	730	Mumbai	2487	28	4.2	Laptop & Computers
## 731	731	Chennai	1335	22	0.1	Mobiles
## 732	732	Banglore	1869	18	3.6	Laptop & Computers
## 733	733	Mumbai	1076	30	0.5	Mobiles
## 734	734	Mumbai	1953	13	4.4	Laptop & Computers
## 735	735	Chennai	1659	21	1.5	Laptop & Computers
## 736	736	Chennai	4062	32	2.3	Women's Fashion
## 737	737	Mumbai	3929	5	3.0	Women's Fashion
## 738	738	Mumbai	4304	22	2.6	Books
## 739	739	Banglore	3617	15	0.3	Women's Fashion
## 740	740	Mumbai	4593	27	2.6	Books
## 741	741	Pune	4899	23	2.7	Books

## 742	742	Pune	1796	32	3.1 Laptop & Computers
## 743	743	Mumbai	4491	30	3.5 Books
## 744	744	Pune	3433	15	3.6 Women's Fashion
## 745	745	Delhi	3275	26	3.2 Women's Fashion
## 746	746	Delhi	1108	4	4.6 Mobiles
## 747	747	Delhi	3923	13	4.6 Women's Fashion
## 748	748	Banglore	4445	31	0.2 Books
## 749	749	Pune	1708	11	4.2 Laptop & Computers
## 750	750	Pune	1460	20	3.4 Laptop & Computers
## 751	751	Mumbai	3467	31	4.5 Women's Fashion
## 752	752	Mumbai	4945	34	0.8 Books
## 753	753	Banglore	2558	7	3.1 Laptop & Computers
## 754	754	Banglore	1713	25	0.2 Laptop & Computers
## 755	755	Mumbai	4817	17	1.4 Books
## 756	756	Pune	3499	30	2.5 Women's Fashion
## 757	757	Delhi	4080	16	1.0 Women's Fashion
## 758	758	Banglore	3591	25	4.9 Women's Fashion
## 759	759	Delhi	4646	5	2.7 Books
## 760	760	Delhi	3787	19	4.4 Women's Fashion
## 761	761	Chennai	2105	10	0.5 Laptop & Computers
## 762	762	Mumbai	1547	6	4.8 Laptop & Computers
## 763	763	Pune	2706	33	3.8 Men's Fashion
## 764	764	Delhi	3274	28	0.3 Women's Fashion
## 765	765	Chennai	2510	29	1.1 Laptop & Computers
## 766	766	Mumbai	3126	30	4.0 Men's Fashion
## 767	767	Mumbai	4732	18	0.5 Books
## 768	768	Mumbai	2119	7	0.0 Laptop & Computers
## 769	769	Pune	4892	28	3.6 Books
## 770	770	Pune	3721	18	0.1 Women's Fashion
## 771	771	Mumbai	3890	32	2.9 Women's Fashion
## 772	772	Delhi	3007	24	4.6 Men's Fashion
## 773	773	Mumbai	3998	16	1.8 Women's Fashion
## 774	774	Banglore	1598	33	1.0 Laptop & Computers
## 775	775	Delhi	1149	12	2.8 Mobiles
## 776	776	Mumbai	1755	21	0.6 Laptop & Computers
## 777	777	Pune	4839	10	4.7 Books
## 778	778	Delhi	4085	30	3.0 Women's Fashion
## 779	779	Banglore	2996	10	3.2 Men's Fashion
## 780	780	Delhi	2593	11	3.4 Men's Fashion
## 781	781	Pune	2147	4	4.0 Laptop & Computers
## 782	782	Pune	3057	27	4.6 Men's Fashion
## 783	783	Pune	1170	14	1.2 Mobiles
## 784	784	Pune	4618	5	3.0 Books
## 785	785	Banglore	2508	33	3.4 Laptop & Computers
## 786	786	Mumbai	3245	18	2.9 Men's Fashion
## 787	787	Delhi	1748	26	5.0 Laptop & Computers
## 788	788	Delhi	2615	14	4.6 Men's Fashion
## 789	789	Pune	1919	19	3.4 Laptop & Computers
## 790	790	Pune	2243	26	2.1 Laptop & Computers
## 791	791	Banglore	4233	29	3.4 Books
## 792	792	Mumbai	3915	34	3.9 Women's Fashion
## 793	793	Chennai	4470	16	0.1 Books
## 794	794	Delhi	1928	29	3.6 Laptop & Computers
## 795	795	Delhi	3926	26	0.7 Women's Fashion

## 796	796	Mumbai	4664	14	0.7	Books
## 797	797	Pune	1618	6	0.7	Laptop & Computers
## 798	798	Delhi	2855	30	0.5	Men's Fashion
## 799	799	Mumbai	1697	20	3.6	Laptop & Computers
## 800	800	Chennai	3402	19	0.0	Women's Fashion
## 801	801	Banglore	1441	20	4.5	Laptop & Computers
## 802	802	Delhi	1237	9	4.6	Mobiles
## 803	803	Pune	2864	15	0.6	Men's Fashion
## 804	804	Chennai	3626	13	4.0	Women's Fashion
## 805	805	Mumbai	2742	10	2.6	Men's Fashion
## 806	806	Delhi	3393	22	4.6	Women's Fashion
## 807	807	Mumbai	2802	33	3.9	Men's Fashion
## 808	808	Chennai	1504	10	3.5	Laptop & Computers
## 809	809	Chennai	2400	22	2.5	Laptop & Computers
## 810	810	Pune	1369	22	3.1	Mobiles
## 811	811	Pune	3924	17	0.5	Women's Fashion
## 812	812	Delhi	4077	17	0.7	Women's Fashion
## 813	813	Delhi	3352	31	1.4	Women's Fashion
## 814	814	Banglore	1230	20	3.2	Mobiles
## 815	815	Delhi	1195	19	3.5	Mobiles
## 816	816	Chennai	3955	19	0.6	Women's Fashion
## 817	817	Banglore	3280	9	0.2	Women's Fashion
## 818	818	Banglore	3036	16	1.7	Men's Fashion
## 819	819	Banglore	3821	29	1.2	Women's Fashion
## 820	820	Pune	1000	23	3.8	Mobiles
## 821	821	Mumbai	2956	26	5.0	Men's Fashion
## 822	822	Chennai	1193	21	4.3	Mobiles
## 823	823	Pune	4221	21	1.2	Books
## 824	824	Mumbai	1413	29	1.9	Laptop & Computers
## 825	825	Chennai	2518	27	4.3	Laptop & Computers
## 826	826	Banglore	2106	29	4.7	Laptop & Computers
## 827	827	Chennai	1266	9	2.0	Mobiles
## 828	828	Chennai	1559	32	3.9	Laptop & Computers
## 829	829	Delhi	4450	28	5.0	Books
## 830	830	Chennai	1736	4	2.0	Laptop & Computers
## 831	831	Chennai	4313	23	4.9	Books
## 832	832	Chennai	2740	21	1.7	Men's Fashion
## 833	833	Mumbai	2401	20	1.7	Laptop & Computers
## 834	834	Mumbai	4695	5	1.8	Books
## 835	835	Mumbai	1546	7	4.7	Laptop & Computers
## 836	836	Delhi	3674	16	3.9	Women's Fashion
## 837	837	Pune	2710	5	3.7	Men's Fashion
## 838	838	Pune	4827	15	5.0	Books
## 839	839	Banglore	4864	29	2.4	Books
## 840	840	Delhi	2973	8	3.7	Men's Fashion
## 841	841	Banglore	2144	16	2.4	Laptop & Computers
## 842	842	Chennai	3018	7	3.0	Men's Fashion
## 843	843	Banglore	4893	5	3.5	Books
## 844	844	Banglore	4217	26	0.3	Women's Fashion
## 845	845	Chennai	1676	13	1.7	Laptop & Computers
## 846	846	Banglore	2799	9	4.1	Men's Fashion
## 847	847	Banglore	4609	7	4.3	Books
## 848	848	Delhi	1228	12	4.1	Mobiles
## 849	849	Banglore	1698	4	3.3	Laptop & Computers

## 850	850	Mumbai	2914	26	4.7	Men's Fashion
## 851	851	Chennai	2472	19	0.1	Laptop & Computers
## 852	852	Chennai	1749	28	2.3	Laptop & Computers
## 853	853	Pune	1174	7	0.7	Mobiles
## 854	854	Banglore	2926	21	1.8	Men's Fashion
## 855	855	Chennai	1936	7	3.3	Laptop & Computers
## 856	856	Delhi	4863	14	2.2	Books
## 857	857	Mumbai	4822	6	2.0	Books
## 858	858	Pune	1942	10	5.0	Laptop & Computers
## 859	859	Chennai	4860	18	1.6	Books
## 860	860	Banglore	2945	13	1.8	Men's Fashion
## 861	861	Banglore	2375	17	2.4	Laptop & Computers
## 862	862	Mumbai	3757	33	0.5	Women's Fashion
## 863	863	Banglore	1135	7	2.0	Mobiles
## 864	864	Pune	4782	5	4.4	Books
## 865	865	Pune	3611	14	4.7	Women's Fashion
## 866	866	Mumbai	4066	27	3.2	Women's Fashion
## 867	867	Mumbai	3144	32	2.8	Men's Fashion
## 868	868	Banglore	1355	26	4.6	Mobiles
## 869	869	Banglore	1518	26	0.9	Laptop & Computers
## 870	870	Mumbai	2745	25	3.3	Men's Fashion
## 871	871	Delhi	4251	23	2.4	Books
## 872	872	Pune	2446	17	4.4	Laptop & Computers
## 873	873	Pune	3226	13	3.8	Men's Fashion
## 874	874	Banglore	1427	16	1.0	Laptop & Computers
## 875	875	Pune	1844	29	0.7	Laptop & Computers
## 876	876	Pune	2981	31	3.5	Men's Fashion
## 877	877	Pune	3607	13	1.4	Women's Fashion
## 878	878	Chennai	2940	14	4.1	Men's Fashion
## 879	879	Banglore	1871	5	1.9	Laptop & Computers
## 880	880	Banglore	2522	8	3.1	Laptop & Computers
## 881	881	Pune	4473	9	5.0	Books
## 882	882	Pune	2681	16	1.9	Men's Fashion
## 883	883	Banglore	4791	19	0.8	Books
## 884	884	Delhi	1337	27	5.0	Mobiles
## 885	885	Chennai	4942	34	2.9	Books
## 886	886	Banglore	3983	30	0.3	Women's Fashion
## 887	887	Banglore	3149	7	2.3	Men's Fashion
## 888	888	Mumbai	3482	30	2.4	Women's Fashion
## 889	889	Chennai	4972	31	1.6	Books
## 890	890	Mumbai	3168	7	2.9	Men's Fashion
## 891	891	Banglore	1421	8	5.0	Laptop & Computers
## 892	892	Pune	2852	4	4.6	Men's Fashion
## 893	893	Mumbai	3712	18	4.5	Women's Fashion
## 894	894	Banglore	2118	18	4.7	Laptop & Computers
## 895	895	Banglore	1867	6	4.1	Laptop & Computers
## 896	896	Banglore	2411	14	0.1	Laptop & Computers
## 897	897	Pune	1593	29	3.2	Laptop & Computers
## 898	898	Pune	1617	6	3.1	Laptop & Computers
## 899	899	Banglore	2057	29	1.9	Laptop & Computers
## 900	900	Banglore	1175	17	2.2	Mobiles
## 901	901	Banglore	3817	12	3.9	Women's Fashion
## 902	902	Chennai	2047	6	0.5	Laptop & Computers
## 903	903	Delhi	4225	18	1.2	Books

## 904	904	Delhi	4778	29	0.6	Books
## 905	905	Delhi	4090	14	1.5	Women's Fashion
## 906	906	Banglore	3913	28	4.6	Women's Fashion
## 907	907	Pune	4608	28	2.8	Books
## 908	908	Banglore	3260	21	1.7	Men's Fashion
## 909	909	Chennai	1567	31	1.1	Laptop & Computers
## 910	910	Delhi	3418	16	2.6	Women's Fashion
## 911	911	Banglore	4738	9	1.1	Books
## 912	912	Banglore	1146	20	2.5	Mobiles
## 913	913	Delhi	3169	10	2.3	Men's Fashion
## 914	914	Mumbai	1709	7	2.7	Laptop & Computers
## 915	915	Banglore	3109	15	0.3	Men's Fashion
## 916	916	Mumbai	2964	12	3.1	Men's Fashion
## 917	917	Delhi	3671	24	2.1	Women's Fashion
## 918	918	Delhi	3995	9	4.2	Women's Fashion
## 919	919	Delhi	2628	4	3.4	Men's Fashion
## 920	920	Mumbai	4566	8	0.7	Books
## 921	921	Chennai	2225	5	0.6	Laptop & Computers
## 922	922	Pune	4990	29	1.9	Books
## 923	923	Pune	1364	33	3.4	Mobiles
## 924	924	Mumbai	1806	18	4.7	Laptop & Computers
## 925	925	Pune	4786	22	1.9	Books
## 926	926	Delhi	1455	14	4.2	Laptop & Computers
## 927	927	Chennai	1782	32	0.1	Laptop & Computers
## 928	928	Mumbai	2719	10	4.1	Men's Fashion
## 929	929	Banglore	3153	23	3.7	Men's Fashion
## 930	930	Mumbai	2311	19	0.9	Laptop & Computers
## 931	931	Chennai	4681	34	3.5	Books
## 932	932	Banglore	3866	4	2.1	Women's Fashion
## 933	933	Pune	3141	6	1.5	Men's Fashion
## 934	934	Banglore	1067	12	1.0	Mobiles
## 935	935	Chennai	4723	18	0.1	Books
## 936	936	Banglore	3256	16	4.4	Men's Fashion
## 937	937	Pune	3589	29	2.3	Women's Fashion
## 938	938	Chennai	4634	26	2.3	Books
## 939	939	Pune	2341	34	2.7	Laptop & Computers
## 940	940	Chennai	4800	6	1.7	Books
## 941	941	Mumbai	4708	33	2.8	Books
## 942	942	Pune	3541	22	4.6	Women's Fashion
## 943	943	Banglore	3361	18	1.9	Women's Fashion
## 944	944	Mumbai	1687	6	4.5	Laptop & Computers
## 945	945	Mumbai	1489	25	3.5	Laptop & Computers
## 946	946	Mumbai	1129	25	1.2	Mobiles
## 947	947	Mumbai	1224	25	0.4	Mobiles
## 948	948	Pune	3719	28	1.7	Women's Fashion
## 949	949	Delhi	1595	6	2.8	Laptop & Computers
## 950	950	Pune	4346	11	5.0	Books
## 951	951	Pune	3237	5	1.4	Men's Fashion
## 952	952	Pune	4713	8	0.6	Books
## 953	953	Delhi	4862	31	4.7	Books
## 954	954	Banglore	1575	11	4.2	Laptop & Computers
## 955	955	Delhi	3511	11	0.0	Women's Fashion
## 956	956	Pune	4691	33	3.2	Books
## 957	957	Banglore	3204	11	4.0	Men's Fashion

## 958	958	Mumbai	2873	9	2.2	Men's Fashion
## 959	959	Mumbai	1633	8	0.1	Laptop & Computers
## 960	960	Chennai	4416	30	1.8	Books
## 961	961	Pune	2943	30	1.0	Men's Fashion
## 962	962	Delhi	3877	4	2.3	Women's Fashion
## 963	963	Pune	4605	17	0.4	Books
## 964	964	Pune	4852	18	0.1	Books
## 965	965	Pune	2219	10	4.4	Laptop & Computers
## 966	966	Mumbai	3453	12	0.5	Women's Fashion
## 967	967	Delhi	3346	30	3.1	Women's Fashion
## 968	968	Banglore	2058	18	1.0	Laptop & Computers
## 969	969	Mumbai	1822	11	1.6	Laptop & Computers
## 970	970	Banglore	4783	7	4.9	Books
## 971	971	Mumbai	4894	29	4.8	Books
## 972	972	Chennai	4481	9	3.2	Books
## 973	973	Mumbai	2455	11	3.9	Laptop & Computers
## 974	974	Delhi	4740	18	2.8	Books
## 975	975	Delhi	4218	23	4.2	Women's Fashion
## 976	976	Banglore	2153	30	1.4	Laptop & Computers
## 977	977	Pune	3873	4	4.8	Women's Fashion
## 978	978	Mumbai	1361	7	2.1	Mobiles
## 979	979	Banglore	1997	10	0.7	Laptop & Computers
## 980	980	Banglore	2417	6	4.4	Laptop & Computers
## 981	981	Delhi	1379	21	3.6	Mobiles
## 982	982	Banglore	2215	16	5.0	Laptop & Computers
## 983	983	Mumbai	1632	10	3.9	Laptop & Computers
## 984	984	Pune	2365	30	0.2	Laptop & Computers
## 985	985	Mumbai	3422	22	0.4	Women's Fashion
## 986	986	Mumbai	1246	15	1.6	Mobiles
## 987	987	Pune	3049	16	3.7	Men's Fashion
## 988	988	Delhi	4223	23	2.0	Books
## 989	989	Mumbai	2239	33	1.7	Laptop & Computers
## 990	990	Mumbai	1983	15	4.0	Laptop & Computers
## 991	991	Chennai	3523	19	2.8	Women's Fashion
## 992	992	Banglore	4628	24	4.2	Books
## 993	993	Chennai	2270	11	4.8	Laptop & Computers
## 994	994	Chennai	4307	22	3.4	Books
## 995	995	Chennai	2454	24	1.0	Laptop & Computers
## 996	996	Delhi	1403	21	0.2	Laptop & Computers
## 997	997	Chennai	2389	21	3.9	Laptop & Computers
## 998	998	Chennai	4554	34	3.7	Books
## 999	999	Delhi	1332	33	4.2	Mobiles
## 1000	1000	Banglore	3641	21	2.2	Women's Fashion

8. The dataset misses a column of MRP. Create a numeric column named as MRP that holds the values of products. Make sure the product prices are based on the categories.

1000 to 1380 - Mobiles - Rs.6999 - Rs.64,599 1381 to 2580 - Laptops and Computers - Rs.36999 - Rs.1,64,599
 2581 to 3268 - Mens Fasion - Rs.699 - Rs.6400 3269 to 4220- Womens Fasion - Rs.699 - Rs.17,000 4221 to 5000 - Books - Rs.169 - Rs.3,800

```
set.seed(25)
```

```

for (i in 1:length(amazon_reviews$Category)){
  amazon_reviews$MRP[i] <- ifelse(amazon_reviews$Category[i] == "Mobiles", sample(6999:64599, 1, replace = TRUE))
}
amazon_reviews

```

##	Serial.No	Delivery.Location	Product.ID	Discount	Review	Category
## 1	1	Mumbai	3694	10	0.6	Women's Fashion
## 2	2	Chennai	1476	32	2.8	Laptop & Computers
## 3	3	Delhi	2559	27	2.3	Laptop & Computers
## 4	4	Delhi	2467	31	2.4	Laptop & Computers
## 5	5	Delhi	4120	28	4.8	Women's Fashion
## 6	6	Banglore	1071	20	0.7	Mobiles
## 7	7	Pune	2640	11	4.0	Men's Fashion
## 8	8	Chennai	1281	12	2.5	Mobiles
## 9	9	Delhi	3106	29	1.5	Men's Fashion
## 10	10	Pune	2013	30	3.5	Laptop & Computers
## 11	11	Delhi	4343	25	0.0	Books
## 12	12	Chennai	2379	19	0.7	Laptop & Computers
## 13	13	Banglore	2728	7	0.2	Men's Fashion
## 14	14	Pune	1519	4	4.0	Laptop & Computers
## 15	15	Mumbai	2474	11	4.3	Laptop & Computers
## 16	16	Delhi	3600	6	2.3	Women's Fashion
## 17	17	Banglore	3667	12	4.2	Women's Fashion
## 18	18	Delhi	3583	15	4.6	Women's Fashion
## 19	19	Pune	3745	27	3.3	Women's Fashion
## 20	20	Mumbai	3666	29	2.4	Women's Fashion
## 21	21	Delhi	1878	14	1.0	Laptop & Computers
## 22	22	Mumbai	2972	18	4.7	Men's Fashion
## 23	23	Mumbai	2912	24	4.7	Men's Fashion
## 24	24	Pune	3743	28	4.0	Women's Fashion
## 25	25	Mumbai	4297	27	2.8	Books
## 26	26	Mumbai	1664	5	0.4	Laptop & Computers
## 27	27	Chennai	2994	28	0.2	Men's Fashion
## 28	28	Mumbai	3159	14	3.6	Men's Fashion
## 29	29	Mumbai	4311	19	2.9	Books
## 30	30	Chennai	1700	19	0.3	Laptop & Computers
## 31	31	Pune	3408	32	4.4	Women's Fashion
## 32	32	Chennai	4228	12	2.8	Books
## 33	33	Delhi	3564	32	0.3	Women's Fashion
## 34	34	Chennai	2282	8	3.9	Laptop & Computers
## 35	35	Delhi	2892	6	0.2	Men's Fashion
## 36	36	Mumbai	1093	8	1.1	Mobiles
## 37	37	Banglore	3051	33	4.5	Men's Fashion
## 38	38	Delhi	2564	32	4.8	Laptop & Computers
## 39	39	Chennai	1131	7	1.1	Mobiles
## 40	40	Delhi	1295	16	0.8	Mobiles
## 41	41	Banglore	4714	32	2.0	Books
## 42	42	Delhi	3349	7	1.7	Women's Fashion
## 43	43	Pune	4509	11	4.7	Books
## 44	44	Chennai	2342	6	1.3	Laptop & Computers
## 45	45	Chennai	4696	15	1.1	Books
## 46	46	Pune	2931	17	3.9	Men's Fashion
## 47	47	Chennai	1648	25	0.8	Laptop & Computers

## 48	48	Delhi	3452	34	0.1	Women's Fashion
## 49	49	Pune	1273	20	0.8	Mobiles
## 50	50	Chennai	4631	15	1.8	Books
## 51	51	Pune	2784	12	1.1	Men's Fashion
## 52	52	Pune	4789	24	1.1	Books
## 53	53	Banglore	1011	21	0.6	Mobiles
## 54	54	Banglore	4047	19	1.8	Women's Fashion
## 55	55	Banglore	4848	28	3.9	Books
## 56	56	Mumbai	1513	17	3.9	Laptop & Computers
## 57	57	Pune	4464	15	4.3	Books
## 58	58	Mumbai	4197	11	4.8	Women's Fashion
## 59	59	Banglore	4602	12	5.0	Books
## 60	60	Delhi	4467	5	3.1	Books
## 61	61	Pune	4787	12	1.0	Books
## 62	62	Pune	2798	33	2.9	Men's Fashion
## 63	63	Banglore	3322	22	1.8	Women's Fashion
## 64	64	Delhi	2319	15	1.7	Laptop & Computers
## 65	65	Chennai	4937	15	1.7	Books
## 66	66	Chennai	4883	10	2.3	Books
## 67	67	Pune	1829	22	1.7	Laptop & Computers
## 68	68	Chennai	1818	11	0.4	Laptop & Computers
## 69	69	Delhi	2851	11	3.4	Men's Fashion
## 70	70	Chennai	3655	15	2.8	Women's Fashion
## 71	71	Delhi	2738	20	0.7	Men's Fashion
## 72	72	Delhi	1925	33	4.9	Laptop & Computers
## 73	73	Chennai	4938	22	1.8	Books
## 74	74	Mumbai	4665	31	4.1	Books
## 75	75	Chennai	4857	14	0.8	Books
## 76	76	Chennai	3486	33	4.7	Women's Fashion
## 77	77	Chennai	3135	22	1.9	Men's Fashion
## 78	78	Delhi	2425	21	1.0	Laptop & Computers
## 79	79	Banglore	4831	21	1.1	Books
## 80	80	Chennai	4780	26	3.2	Books
## 81	81	Delhi	1930	27	1.3	Laptop & Computers
## 82	82	Mumbai	2415	21	2.1	Laptop & Computers
## 83	83	Pune	3289	27	0.6	Women's Fashion
## 84	84	Delhi	4832	8	2.4	Books
## 85	85	Chennai	3834	6	4.6	Women's Fashion
## 86	86	Banglore	4992	32	4.0	Books
## 87	87	Mumbai	4241	11	1.5	Books
## 88	88	Delhi	1623	21	0.5	Laptop & Computers
## 89	89	Banglore	2235	28	0.3	Laptop & Computers
## 90	90	Banglore	1827	22	4.4	Laptop & Computers
## 91	91	Banglore	2866	30	1.9	Men's Fashion
## 92	92	Chennai	3827	13	2.9	Women's Fashion
## 93	93	Chennai	4104	12	3.9	Women's Fashion
## 94	94	Pune	3709	19	0.6	Women's Fashion
## 95	95	Chennai	4579	23	3.9	Books
## 96	96	Chennai	3886	31	1.4	Women's Fashion
## 97	97	Pune	2718	14	1.9	Men's Fashion
## 98	98	Chennai	3392	15	2.7	Women's Fashion
## 99	99	Chennai	3798	4	0.8	Women's Fashion
## 100	100	Delhi	2832	17	0.1	Men's Fashion
## 101	101	Chennai	3767	25	3.2	Women's Fashion

## 102	102	Mumbai	4781	31	2.8	Books
## 103	103	Chennai	2731	10	2.1	Men's Fashion
## 104	104	Mumbai	2196	26	2.3	Laptop & Computers
## 105	105	Delhi	2427	28	5.0	Laptop & Computers
## 106	106	Pune	4879	18	2.4	Books
## 107	107	Pune	3118	12	3.0	Men's Fashion
## 108	108	Pune	3087	19	2.7	Men's Fashion
## 109	109	Chennai	1701	9	3.9	Laptop & Computers
## 110	110	Pune	2870	7	4.9	Men's Fashion
## 111	111	Banglore	2363	16	3.6	Laptop & Computers
## 112	112	Delhi	1859	23	0.8	Laptop & Computers
## 113	113	Delhi	3248	33	1.7	Men's Fashion
## 114	114	Mumbai	2217	11	4.1	Laptop & Computers
## 115	115	Pune	1699	10	1.7	Laptop & Computers
## 116	116	Delhi	3784	11	0.3	Women's Fashion
## 117	117	Delhi	4548	33	3.4	Books
## 118	118	Mumbai	3389	18	3.5	Women's Fashion
## 119	119	Pune	1215	23	2.1	Mobiles
## 120	120	Chennai	1050	31	2.6	Mobiles
## 121	121	Pune	4032	12	0.6	Women's Fashion
## 122	122	Pune	2438	5	3.5	Laptop & Computers
## 123	123	Pune	4958	31	3.2	Books
## 124	124	Pune	1027	4	0.6	Mobiles
## 125	125	Chennai	3023	32	3.0	Men's Fashion
## 126	126	Chennai	4057	25	3.6	Women's Fashion
## 127	127	Mumbai	4300	27	0.4	Books
## 128	128	Chennai	3760	22	4.6	Women's Fashion
## 129	129	Chennai	2937	28	1.6	Men's Fashion
## 130	130	Chennai	3473	34	3.7	Women's Fashion
## 131	131	Mumbai	3385	25	1.0	Women's Fashion
## 132	132	Pune	2659	31	4.6	Men's Fashion
## 133	133	Banglore	4779	11	3.8	Books
## 134	134	Banglore	1482	21	3.0	Laptop & Computers
## 135	135	Banglore	4699	8	0.2	Books
## 136	136	Pune	3211	12	1.8	Men's Fashion
## 137	137	Pune	1853	21	3.1	Laptop & Computers
## 138	138	Delhi	1410	13	2.5	Laptop & Computers
## 139	139	Mumbai	1454	21	4.0	Laptop & Computers
## 140	140	Banglore	2083	31	2.4	Laptop & Computers
## 141	141	Delhi	1611	7	4.4	Laptop & Computers
## 142	142	Delhi	4943	6	3.8	Books
## 143	143	Banglore	2504	23	0.8	Laptop & Computers
## 144	144	Pune	1635	7	4.4	Laptop & Computers
## 145	145	Pune	3438	25	0.2	Women's Fashion
## 146	146	Chennai	1414	30	2.7	Laptop & Computers
## 147	147	Mumbai	4069	10	3.4	Women's Fashion
## 148	148	Delhi	4428	31	1.8	Books
## 149	149	Mumbai	3043	7	1.0	Men's Fashion
## 150	150	Pune	2924	33	2.3	Men's Fashion
## 151	151	Delhi	2774	4	2.6	Men's Fashion
## 152	152	Mumbai	1080	31	3.1	Mobiles
## 153	153	Banglore	4859	10	3.5	Books
## 154	154	Mumbai	2317	34	1.1	Laptop & Computers
## 155	155	Banglore	2930	33	4.4	Men's Fashion

## 156	156	Mumbai	1494	8	3.7	Laptop & Computers
## 157	157	Banglore	3470	31	1.9	Women's Fashion
## 158	158	Pune	2822	8	1.4	Men's Fashion
## 159	159	Pune	4586	18	1.4	Books
## 160	160	Pune	4026	20	4.6	Women's Fashion
## 161	161	Mumbai	4571	33	1.9	Books
## 162	162	Delhi	3975	9	0.7	Women's Fashion
## 163	163	Delhi	1122	14	4.5	Mobiles
## 164	164	Banglore	3457	18	3.7	Women's Fashion
## 165	165	Mumbai	3536	10	4.7	Women's Fashion
## 166	166	Mumbai	2560	34	2.9	Laptop & Computers
## 167	167	Mumbai	2132	6	1.7	Laptop & Computers
## 168	168	Chennai	3490	22	2.5	Women's Fashion
## 169	169	Chennai	1760	23	4.1	Laptop & Computers
## 170	170	Delhi	3504	30	0.2	Women's Fashion
## 171	171	Chennai	4756	29	1.8	Books
## 172	172	Delhi	2090	12	2.4	Laptop & Computers
## 173	173	Chennai	2051	28	1.5	Laptop & Computers
## 174	174	Pune	1738	16	3.9	Laptop & Computers
## 175	175	Chennai	3898	10	3.6	Women's Fashion
## 176	176	Delhi	4904	30	0.1	Books
## 177	177	Delhi	4082	28	3.9	Women's Fashion
## 178	178	Delhi	4031	12	4.0	Women's Fashion
## 179	179	Delhi	3559	16	3.1	Women's Fashion
## 180	180	Pune	1863	6	4.8	Laptop & Computers
## 181	181	Delhi	1291	31	1.5	Mobiles
## 182	182	Delhi	2419	6	2.9	Laptop & Computers
## 183	183	Banglore	3540	22	3.9	Women's Fashion
## 184	184	Delhi	1485	26	2.5	Laptop & Computers
## 185	185	Banglore	4795	14	4.2	Books
## 186	186	Chennai	3254	27	5.0	Men's Fashion
## 187	187	Pune	1974	30	3.0	Laptop & Computers
## 188	188	Banglore	2326	7	3.1	Laptop & Computers
## 189	189	Delhi	4283	15	4.5	Books
## 190	190	Pune	1839	16	1.4	Laptop & Computers
## 191	191	Mumbai	3619	9	0.8	Women's Fashion
## 192	192	Banglore	2069	23	0.5	Laptop & Computers
## 193	193	Delhi	4301	18	2.3	Books
## 194	194	Pune	1250	18	1.4	Mobiles
## 195	195	Pune	2949	27	0.7	Men's Fashion
## 196	196	Pune	4281	18	1.5	Books
## 197	197	Pune	4673	23	2.9	Books
## 198	198	Mumbai	3050	11	2.0	Men's Fashion
## 199	199	Chennai	2042	31	5.0	Laptop & Computers
## 200	200	Chennai	2048	17	4.6	Laptop & Computers
## 201	201	Delhi	3229	9	0.8	Men's Fashion
## 202	202	Banglore	4900	32	3.6	Books
## 203	203	Mumbai	3535	19	3.3	Women's Fashion
## 204	204	Pune	2060	30	2.9	Laptop & Computers
## 205	205	Banglore	1808	33	0.4	Laptop & Computers
## 206	206	Pune	4615	21	4.1	Books
## 207	207	Chennai	2264	29	3.6	Laptop & Computers
## 208	208	Pune	1143	13	3.3	Mobiles
## 209	209	Banglore	4929	6	2.6	Books

## 210	210	Banglore	2534	22	1.8	Laptop & Computers
## 211	211	Pune	2703	28	4.4	Men's Fashion
## 212	212	Pune	4417	25	2.4	Books
## 213	213	Mumbai	2770	19	3.0	Men's Fashion
## 214	214	Mumbai	1498	11	4.1	Laptop & Computers
## 215	215	Delhi	4294	8	4.4	Books
## 216	216	Pune	1095	5	1.2	Mobiles
## 217	217	Mumbai	3861	11	1.9	Women's Fashion
## 218	218	Pune	3683	12	1.9	Women's Fashion
## 219	219	Pune	3446	20	3.0	Women's Fashion
## 220	220	Pune	4013	19	3.0	Women's Fashion
## 221	221	Mumbai	4159	33	4.8	Women's Fashion
## 222	222	Delhi	2230	34	2.2	Laptop & Computers
## 223	223	Mumbai	1583	11	2.7	Laptop & Computers
## 224	224	Delhi	4023	29	4.8	Women's Fashion
## 225	225	Mumbai	3397	14	1.4	Women's Fashion
## 226	226	Banglore	1062	22	5.0	Mobiles
## 227	227	Pune	1660	34	1.9	Laptop & Computers
## 228	228	Pune	1434	17	1.6	Laptop & Computers
## 229	229	Pune	3030	31	1.4	Men's Fashion
## 230	230	Pune	4528	32	0.8	Books
## 231	231	Chennai	1036	18	4.8	Mobiles
## 232	232	Delhi	2697	12	0.7	Men's Fashion
## 233	233	Chennai	4741	9	4.5	Books
## 234	234	Pune	2156	27	1.4	Laptop & Computers
## 235	235	Chennai	1873	18	4.5	Laptop & Computers
## 236	236	Delhi	2636	11	2.6	Men's Fashion
## 237	237	Banglore	1865	19	0.0	Laptop & Computers
## 238	238	Delhi	2021	33	4.0	Laptop & Computers
## 239	239	Mumbai	3746	34	0.9	Women's Fashion
## 240	240	Delhi	3330	24	2.3	Women's Fashion
## 241	241	Mumbai	4730	22	1.3	Books
## 242	242	Delhi	4564	18	1.6	Books
## 243	243	Banglore	3520	12	2.5	Women's Fashion
## 244	244	Chennai	2661	8	0.3	Men's Fashion
## 245	245	Pune	2246	5	1.8	Laptop & Computers
## 246	246	Pune	4369	33	1.7	Books
## 247	247	Delhi	1428	8	4.8	Laptop & Computers
## 248	248	Pune	3252	13	0.2	Men's Fashion
## 249	249	Pune	2397	8	1.2	Laptop & Computers
## 250	250	Chennai	3932	5	0.9	Women's Fashion
## 251	251	Banglore	4890	33	1.6	Books
## 252	252	Chennai	3003	30	1.3	Men's Fashion
## 253	253	Chennai	2840	30	2.3	Men's Fashion
## 254	254	Chennai	1662	22	3.4	Laptop & Computers
## 255	255	Chennai	2627	16	0.6	Men's Fashion
## 256	256	Delhi	3544	28	3.4	Women's Fashion
## 257	257	Pune	3997	33	0.2	Women's Fashion
## 258	258	Mumbai	4131	34	0.2	Women's Fashion
## 259	259	Delhi	3062	28	1.1	Men's Fashion
## 260	260	Chennai	4773	13	3.2	Books
## 261	261	Banglore	3259	16	3.0	Men's Fashion
## 262	262	Banglore	1511	16	2.5	Laptop & Computers
## 263	263	Pune	1144	25	1.2	Mobiles

## 264	264	Mumbai	3766	24	3.9	Women's Fashion
## 265	265	Banglore	2462	23	1.8	Laptop & Computers
## 266	266	Chennai	3312	23	4.9	Women's Fashion
## 267	267	Delhi	1637	34	3.0	Laptop & Computers
## 268	268	Banglore	4919	34	0.2	Books
## 269	269	Mumbai	2453	20	1.1	Laptop & Computers
## 270	270	Banglore	2678	26	3.0	Men's Fashion
## 271	271	Mumbai	4198	31	2.6	Women's Fashion
## 272	272	Chennai	3104	20	4.6	Men's Fashion
## 273	273	Mumbai	3669	25	0.1	Women's Fashion
## 274	274	Pune	2407	31	3.0	Laptop & Computers
## 275	275	Chennai	4761	18	4.1	Books
## 276	276	Delhi	3432	22	5.0	Women's Fashion
## 277	277	Chennai	4337	23	2.3	Books
## 278	278	Mumbai	1151	20	0.2	Mobiles
## 279	279	Banglore	4597	18	2.8	Books
## 280	280	Delhi	2424	26	3.2	Laptop & Computers
## 281	281	Pune	4804	12	5.0	Books
## 282	282	Chennai	3819	33	1.5	Women's Fashion
## 283	283	Mumbai	3130	20	3.6	Men's Fashion
## 284	284	Delhi	1081	11	1.8	Mobiles
## 285	285	Mumbai	1880	17	5.0	Laptop & Computers
## 286	286	Chennai	3242	18	1.0	Men's Fashion
## 287	287	Pune	4455	34	0.4	Books
## 288	288	Chennai	2484	28	2.8	Laptop & Computers
## 289	289	Chennai	2161	17	4.8	Laptop & Computers
## 290	290	Mumbai	2936	30	3.6	Men's Fashion
## 291	291	Banglore	2613	4	4.1	Men's Fashion
## 292	292	Mumbai	4823	12	5.0	Books
## 293	293	Delhi	4170	13	3.4	Women's Fashion
## 294	294	Mumbai	1582	27	2.6	Laptop & Computers
## 295	295	Pune	1226	17	1.8	Mobiles
## 296	296	Mumbai	1770	20	4.3	Laptop & Computers
## 297	297	Delhi	1258	29	2.4	Mobiles
## 298	298	Mumbai	2035	7	0.2	Laptop & Computers
## 299	299	Banglore	4810	22	4.8	Books
## 300	300	Mumbai	1352	21	4.9	Mobiles
## 301	301	Chennai	2950	20	4.7	Men's Fashion
## 302	302	Banglore	3636	6	0.0	Women's Fashion
## 303	303	Delhi	3279	16	1.3	Women's Fashion
## 304	304	Banglore	3066	13	1.2	Men's Fashion
## 305	305	Mumbai	3225	20	4.0	Men's Fashion
## 306	306	Banglore	4102	17	3.8	Women's Fashion
## 307	307	Chennai	1066	34	0.4	Mobiles
## 308	308	Mumbai	3507	27	3.2	Women's Fashion
## 309	309	Banglore	1094	6	2.5	Mobiles
## 310	310	Chennai	4354	10	3.4	Books
## 311	311	Pune	4438	6	0.6	Books
## 312	312	Chennai	3689	6	4.7	Women's Fashion
## 313	313	Pune	2054	6	4.2	Laptop & Computers
## 314	314	Pune	1681	24	3.2	Laptop & Computers
## 315	315	Mumbai	1087	15	1.0	Mobiles
## 316	316	Mumbai	1002	31	2.7	Mobiles
## 317	317	Banglore	2948	4	4.7	Men's Fashion

## 318	318	Pune	4444	34	4.9	Books
## 319	319	Mumbai	1800	29	1.1	Laptop & Computers
## 320	320	Delhi	2458	16	0.6	Laptop & Computers
## 321	321	Mumbai	4799	11	2.9	Books
## 322	322	Mumbai	2316	22	1.9	Laptop & Computers
## 323	323	Mumbai	1466	21	2.9	Laptop & Computers
## 324	324	Delhi	2546	34	4.6	Laptop & Computers
## 325	325	Pune	3628	6	3.5	Women's Fashion
## 326	326	Banglore	3808	15	1.9	Women's Fashion
## 327	327	Mumbai	3396	34	4.8	Women's Fashion
## 328	328	Banglore	3288	30	5.0	Women's Fashion
## 329	329	Delhi	3404	18	0.6	Women's Fashion
## 330	330	Mumbai	2641	5	1.4	Men's Fashion
## 331	331	Pune	4122	34	1.2	Women's Fashion
## 332	332	Mumbai	4490	13	3.9	Books
## 333	333	Chennai	2946	33	4.0	Men's Fashion
## 334	334	Mumbai	1978	22	4.3	Laptop & Computers
## 335	335	Pune	1107	27	1.7	Mobiles
## 336	336	Pune	1856	6	2.9	Laptop & Computers
## 337	337	Mumbai	3178	32	2.3	Men's Fashion
## 338	338	Delhi	2395	24	2.1	Laptop & Computers
## 339	339	Pune	1368	4	4.5	Mobiles
## 340	340	Pune	4973	22	1.5	Books
## 341	341	Chennai	2536	19	2.8	Laptop & Computers
## 342	342	Banglore	2292	8	0.1	Laptop & Computers
## 343	343	Mumbai	3728	22	4.3	Women's Fashion
## 344	344	Delhi	3854	22	3.9	Women's Fashion
## 345	345	Chennai	4204	14	1.7	Women's Fashion
## 346	346	Pune	4040	8	3.6	Women's Fashion
## 347	347	Banglore	2442	28	4.4	Laptop & Computers
## 348	348	Delhi	3054	32	0.7	Men's Fashion
## 349	349	Pune	3543	20	2.2	Women's Fashion
## 350	350	Mumbai	2450	8	4.3	Laptop & Computers
## 351	351	Banglore	3336	13	0.7	Women's Fashion
## 352	352	Delhi	1586	22	2.2	Laptop & Computers
## 353	353	Mumbai	2530	6	2.8	Laptop & Computers
## 354	354	Delhi	4099	30	3.8	Women's Fashion
## 355	355	Pune	1239	22	4.7	Mobiles
## 356	356	Banglore	2393	15	0.2	Laptop & Computers
## 357	357	Delhi	4211	28	3.5	Women's Fashion
## 358	358	Banglore	1375	23	2.8	Mobiles
## 359	359	Chennai	2350	6	4.1	Laptop & Computers
## 360	360	Banglore	2757	23	0.6	Men's Fashion
## 361	361	Mumbai	1147	20	0.5	Mobiles
## 362	362	Mumbai	2821	21	5.0	Men's Fashion
## 363	363	Mumbai	2838	19	3.5	Men's Fashion
## 364	364	Banglore	4043	4	4.4	Women's Fashion
## 365	365	Mumbai	1787	17	4.8	Laptop & Computers
## 366	366	Mumbai	2136	16	0.4	Laptop & Computers
## 367	367	Pune	4768	12	2.7	Books
## 368	368	Mumbai	1198	10	2.9	Mobiles
## 369	369	Chennai	3958	8	0.3	Women's Fashion
## 370	370	Pune	4866	4	3.0	Books
## 371	371	Mumbai	4367	29	4.1	Books

## 372	372	Chennai	2320	31	0.0	Laptop & Computers
## 373	373	Mumbai	4627	6	1.4	Books
## 374	374	Mumbai	2233	10	3.4	Laptop & Computers
## 375	375	Mumbai	1733	19	1.4	Laptop & Computers
## 376	376	Delhi	1599	14	4.4	Laptop & Computers
## 377	377	Chennai	2045	4	1.6	Laptop & Computers
## 378	378	Chennai	4321	14	1.2	Books
## 379	379	Chennai	1634	30	3.3	Laptop & Computers
## 380	380	Chennai	3093	31	1.1	Men's Fashion
## 381	381	Delhi	1271	19	3.1	Mobiles
## 382	382	Mumbai	2052	21	4.6	Laptop & Computers
## 383	383	Delhi	1961	15	3.3	Laptop & Computers
## 384	384	Chennai	1043	27	2.4	Mobiles
## 385	385	Banglore	3872	10	1.5	Women's Fashion
## 386	386	Chennai	4573	33	4.9	Books
## 387	387	Pune	2127	23	1.2	Laptop & Computers
## 388	388	Chennai	3257	33	0.7	Men's Fashion
## 389	389	Mumbai	3660	18	2.5	Women's Fashion
## 390	390	Chennai	2657	7	3.7	Men's Fashion
## 391	391	Chennai	1556	23	4.3	Laptop & Computers
## 392	392	Delhi	3311	20	1.2	Women's Fashion
## 393	393	Banglore	2430	22	0.1	Laptop & Computers
## 394	394	Banglore	2195	10	3.5	Laptop & Computers
## 395	395	Pune	2991	18	4.3	Men's Fashion
## 396	396	Delhi	4478	16	0.2	Books
## 397	397	Banglore	2820	11	1.0	Men's Fashion
## 398	398	Mumbai	1038	12	4.4	Mobiles
## 399	399	Delhi	2903	15	3.6	Men's Fashion
## 400	400	Delhi	1322	21	2.5	Mobiles
## 401	401	Mumbai	4744	33	5.0	Books
## 402	402	Banglore	4427	27	3.6	Books
## 403	403	Chennai	1824	25	3.2	Laptop & Computers
## 404	404	Mumbai	4059	29	0.5	Women's Fashion
## 405	405	Mumbai	4356	30	3.1	Books
## 406	406	Pune	2193	17	1.2	Laptop & Computers
## 407	407	Banglore	1134	19	0.4	Mobiles
## 408	408	Delhi	2207	32	2.0	Laptop & Computers
## 409	409	Mumbai	2029	5	4.7	Laptop & Computers
## 410	410	Pune	2970	15	2.9	Men's Fashion
## 411	411	Delhi	3339	28	3.2	Women's Fashion
## 412	412	Pune	2900	25	1.0	Men's Fashion
## 413	413	Mumbai	4012	11	2.9	Women's Fashion
## 414	414	Mumbai	2115	21	1.7	Laptop & Computers
## 415	415	Banglore	3717	8	4.4	Women's Fashion
## 416	416	Pune	1951	29	2.3	Laptop & Computers
## 417	417	Banglore	4514	16	0.1	Books
## 418	418	Delhi	2923	11	3.2	Men's Fashion
## 419	419	Chennai	4911	26	3.6	Books
## 420	420	Delhi	4830	15	5.0	Books
## 421	421	Banglore	1425	11	4.7	Laptop & Computers
## 422	422	Mumbai	3228	26	3.7	Men's Fashion
## 423	423	Chennai	2792	32	4.6	Men's Fashion
## 424	424	Mumbai	1380	10	0.7	Laptop & Computers
## 425	425	Chennai	4815	19	0.4	Books

## 426	426	Chennai	3749	6	4.7	Women's Fashion
## 427	427	Delhi	1802	25	3.4	Laptop & Computers
## 428	428	Pune	3830	7	5.0	Women's Fashion
## 429	429	Delhi	3896	28	4.5	Women's Fashion
## 430	430	Pune	3188	23	2.4	Men's Fashion
## 431	431	Banglore	2377	34	5.0	Laptop & Computers
## 432	432	Chennai	2332	32	3.1	Laptop & Computers
## 433	433	Banglore	2611	13	2.6	Men's Fashion
## 434	434	Mumbai	1735	10	0.5	Laptop & Computers
## 435	435	Banglore	3414	28	0.0	Women's Fashion
## 436	436	Banglore	1289	27	1.8	Mobiles
## 437	437	Chennai	2112	9	0.1	Laptop & Computers
## 438	438	Delhi	2999	22	2.4	Men's Fashion
## 439	439	Chennai	3421	7	0.2	Women's Fashion
## 440	440	Delhi	1305	16	2.9	Mobiles
## 441	441	Banglore	4340	20	2.8	Books
## 442	442	Chennai	2223	8	3.8	Laptop & Computers
## 443	443	Delhi	1293	31	2.1	Mobiles
## 444	444	Mumbai	1747	33	1.5	Laptop & Computers
## 445	445	Chennai	4532	27	2.5	Books
## 446	446	Pune	4393	30	2.1	Books
## 447	447	Pune	3531	7	2.0	Women's Fashion
## 448	448	Pune	4258	31	4.0	Books
## 449	449	Banglore	3539	34	1.8	Women's Fashion
## 450	450	Mumbai	4338	32	0.9	Books
## 451	451	Mumbai	1253	13	1.6	Mobiles
## 452	452	Chennai	2305	24	0.7	Laptop & Computers
## 453	453	Mumbai	1626	4	1.7	Laptop & Computers
## 454	454	Mumbai	4797	32	2.5	Books
## 455	455	Mumbai	4326	18	3.8	Books
## 456	456	Chennai	2248	33	2.0	Laptop & Computers
## 457	457	Chennai	1773	6	2.0	Laptop & Computers
## 458	458	Banglore	2676	18	2.1	Men's Fashion
## 459	459	Pune	3948	16	2.0	Women's Fashion
## 460	460	Pune	3175	20	2.3	Men's Fashion
## 461	461	Mumbai	4412	16	1.7	Books
## 462	462	Delhi	3678	5	1.2	Women's Fashion
## 463	463	Mumbai	4183	24	3.6	Women's Fashion
## 464	464	Mumbai	4776	15	3.4	Books
## 465	465	Banglore	3720	18	3.6	Women's Fashion
## 466	466	Mumbai	1650	5	1.4	Laptop & Computers
## 467	467	Delhi	4805	28	2.7	Books
## 468	468	Delhi	1812	19	3.4	Laptop & Computers
## 469	469	Chennai	4415	25	3.1	Books
## 470	470	Banglore	2525	21	3.1	Laptop & Computers
## 471	471	Banglore	3177	16	3.0	Men's Fashion
## 472	472	Banglore	2312	11	2.0	Laptop & Computers
## 473	473	Pune	3020	29	4.7	Men's Fashion
## 474	474	Pune	1370	9	3.6	Mobiles
## 475	475	Mumbai	2071	15	0.4	Laptop & Computers
## 476	476	Chennai	2061	16	3.8	Laptop & Computers
## 477	477	Delhi	4060	5	1.6	Women's Fashion
## 478	478	Pune	2351	7	2.7	Laptop & Computers
## 479	479	Pune	4460	30	1.9	Books

## 480	480	Banglore	3799	15	2.1	Women's Fashion
## 481	481	Banglore	3658	6	4.3	Women's Fashion
## 482	482	Mumbai	3034	14	1.6	Men's Fashion
## 483	483	Banglore	3996	16	4.5	Women's Fashion
## 484	484	Pune	2005	33	3.6	Laptop & Computers
## 485	485	Chennai	1344	8	0.0	Mobiles
## 486	486	Chennai	4378	29	3.5	Books
## 487	487	Mumbai	2887	22	2.9	Men's Fashion
## 488	488	Pune	1602	8	3.3	Laptop & Computers
## 489	489	Chennai	1819	34	0.7	Laptop & Computers
## 490	490	Delhi	4001	4	1.9	Women's Fashion
## 491	491	Banglore	2861	9	4.7	Men's Fashion
## 492	492	Chennai	2268	16	1.1	Laptop & Computers
## 493	493	Delhi	2600	8	0.4	Men's Fashion
## 494	494	Chennai	2779	24	2.7	Men's Fashion
## 495	495	Chennai	3706	26	3.8	Women's Fashion
## 496	496	Pune	2729	19	1.9	Men's Fashion
## 497	497	Mumbai	4160	33	4.8	Women's Fashion
## 498	498	Banglore	1642	4	1.7	Laptop & Computers
## 499	499	Pune	4960	14	3.0	Books
## 500	500	Delhi	4792	33	4.1	Books
## 501	501	Banglore	2756	21	2.4	Men's Fashion
## 502	502	Pune	4390	16	2.3	Books
## 503	503	Chennai	2359	27	2.5	Laptop & Computers
## 504	504	Delhi	3069	25	4.4	Men's Fashion
## 505	505	Mumbai	1312	5	4.0	Mobiles
## 506	506	Mumbai	3132	4	2.5	Men's Fashion
## 507	507	Mumbai	2960	8	1.3	Men's Fashion
## 508	508	Delhi	4667	22	4.4	Books
## 509	509	Banglore	4145	19	2.6	Women's Fashion
## 510	510	Pune	2680	9	4.9	Men's Fashion
## 511	511	Delhi	3567	24	3.2	Women's Fashion
## 512	512	Pune	3577	18	3.6	Women's Fashion
## 513	513	Banglore	3790	31	2.6	Women's Fashion
## 514	514	Pune	3231	11	0.7	Men's Fashion
## 515	515	Banglore	4220	8	3.2	Books
## 516	516	Mumbai	2557	19	5.0	Laptop & Computers
## 517	517	Banglore	1916	6	3.6	Laptop & Computers
## 518	518	Pune	2100	22	1.2	Laptop & Computers
## 519	519	Pune	3724	24	1.7	Women's Fashion
## 520	520	Pune	2506	17	2.9	Laptop & Computers
## 521	521	Delhi	4364	28	5.0	Books
## 522	522	Delhi	2358	22	4.9	Laptop & Computers
## 523	523	Chennai	4035	30	4.0	Women's Fashion
## 524	524	Banglore	4920	23	4.7	Books
## 525	525	Pune	2183	29	4.3	Laptop & Computers
## 526	526	Pune	3527	9	4.5	Women's Fashion
## 527	527	Pune	4700	24	0.0	Books
## 528	528	Chennai	4495	4	0.9	Books
## 529	529	Delhi	3415	23	0.4	Women's Fashion
## 530	530	Mumbai	1955	22	1.1	Laptop & Computers
## 531	531	Banglore	1996	5	3.9	Laptop & Computers
## 532	532	Chennai	3879	28	3.7	Women's Fashion
## 533	533	Banglore	4396	6	2.8	Books

## 534	534	Banglore	3598	33	1.9	Women's Fashion
## 535	535	Banglore	3331	32	0.7	Women's Fashion
## 536	536	Banglore	1051	10	3.5	Mobiles
## 537	537	Mumbai	2939	34	4.0	Men's Fashion
## 538	538	Delhi	2040	25	3.4	Laptop & Computers
## 539	539	Delhi	4809	19	4.8	Books
## 540	540	Chennai	3852	29	2.2	Women's Fashion
## 541	541	Banglore	3357	25	3.9	Women's Fashion
## 542	542	Delhi	1723	28	2.9	Laptop & Computers
## 543	543	Banglore	3863	24	4.6	Women's Fashion
## 544	544	Chennai	4386	12	0.2	Books
## 545	545	Mumbai	1395	22	4.1	Laptop & Computers
## 546	546	Banglore	4140	13	1.4	Women's Fashion
## 547	547	Chennai	4647	20	4.1	Books
## 548	548	Banglore	1870	11	4.5	Laptop & Computers
## 549	549	Mumbai	4636	21	4.6	Books
## 550	550	Mumbai	1496	23	1.4	Laptop & Computers
## 551	551	Chennai	1158	29	1.7	Mobiles
## 552	552	Banglore	3089	10	1.7	Men's Fashion
## 553	553	Banglore	2274	24	1.1	Laptop & Computers
## 554	554	Chennai	4975	27	1.5	Books
## 555	555	Delhi	3263	24	4.0	Men's Fashion
## 556	556	Delhi	1409	25	1.9	Laptop & Computers
## 557	557	Delhi	1044	24	4.0	Mobiles
## 558	558	Chennai	4734	27	4.5	Books
## 559	559	Banglore	4970	21	0.9	Books
## 560	560	Chennai	2656	16	4.5	Men's Fashion
## 561	561	Pune	3876	8	1.1	Women's Fashion
## 562	562	Pune	4949	6	4.7	Books
## 563	563	Banglore	2549	8	4.0	Laptop & Computers
## 564	564	Chennai	2139	18	0.4	Laptop & Computers
## 565	565	Banglore	3284	31	4.5	Women's Fashion
## 566	566	Pune	3428	6	3.0	Women's Fashion
## 567	567	Mumbai	2201	34	3.7	Laptop & Computers
## 568	568	Chennai	4168	24	4.2	Women's Fashion
## 569	569	Banglore	1292	19	1.0	Mobiles
## 570	570	Mumbai	1538	31	4.1	Laptop & Computers
## 571	571	Banglore	1967	32	0.4	Laptop & Computers
## 572	572	Chennai	1821	8	2.2	Laptop & Computers
## 573	573	Banglore	2632	8	2.2	Men's Fashion
## 574	574	Pune	3468	10	4.4	Women's Fashion
## 575	575	Banglore	1588	20	3.5	Laptop & Computers
## 576	576	Mumbai	3065	31	4.4	Men's Fashion
## 577	577	Mumbai	3358	23	2.9	Women's Fashion
## 578	578	Pune	2714	23	1.2	Men's Fashion
## 579	579	Chennai	4434	25	1.2	Books
## 580	580	Pune	2007	15	4.7	Laptop & Computers
## 581	581	Chennai	1363	20	3.5	Mobiles
## 582	582	Chennai	1512	17	3.5	Laptop & Computers
## 583	583	Mumbai	3121	8	2.5	Men's Fashion
## 584	584	Delhi	4076	4	1.8	Women's Fashion
## 585	585	Pune	4948	7	3.0	Books
## 586	586	Pune	1573	33	1.0	Laptop & Computers
## 587	587	Banglore	1679	25	2.3	Laptop & Computers

## 588	588	Pune	2957	5	2.8	Men's Fashion
## 589	589	Banglore	4969	11	3.6	Books
## 590	590	Delhi	4411	23	0.9	Books
## 591	591	Pune	1199	19	3.6	Mobiles
## 592	592	Banglore	3338	30	2.4	Women's Fashion
## 593	593	Pune	1726	15	4.6	Laptop & Computers
## 594	594	Delhi	1231	8	0.3	Mobiles
## 595	595	Delhi	1989	31	1.3	Laptop & Computers
## 596	596	Banglore	3606	10	4.9	Women's Fashion
## 597	597	Chennai	3434	23	4.1	Women's Fashion
## 598	598	Mumbai	4671	20	0.1	Books
## 599	599	Delhi	1206	21	3.8	Mobiles
## 600	600	Chennai	3235	34	3.4	Men's Fashion
## 601	601	Chennai	3281	13	1.5	Women's Fashion
## 602	602	Delhi	2837	30	4.6	Men's Fashion
## 603	603	Mumbai	3769	28	2.6	Women's Fashion
## 604	604	Delhi	4489	27	1.5	Books
## 605	605	Mumbai	1267	29	2.0	Mobiles
## 606	606	Banglore	3191	16	3.5	Men's Fashion
## 607	607	Banglore	4629	33	2.4	Books
## 608	608	Pune	2299	12	5.0	Laptop & Computers
## 609	609	Pune	3152	28	1.4	Men's Fashion
## 610	610	Mumbai	3477	32	2.6	Women's Fashion
## 611	611	Chennai	4273	29	0.9	Books
## 612	612	Delhi	1943	17	4.9	Laptop & Computers
## 613	613	Pune	1104	23	2.8	Mobiles
## 614	614	Delhi	2668	16	3.3	Men's Fashion
## 615	615	Mumbai	2211	32	5.0	Laptop & Computers
## 616	616	Banglore	4245	30	4.3	Books
## 617	617	Pune	3718	21	2.3	Women's Fashion
## 618	618	Pune	4109	4	1.9	Women's Fashion
## 619	619	Pune	3234	8	2.8	Men's Fashion
## 620	620	Delhi	2002	30	4.3	Laptop & Computers
## 621	621	Pune	3570	11	2.2	Women's Fashion
## 622	622	Banglore	2897	25	3.2	Men's Fashion
## 623	623	Mumbai	1068	4	4.1	Mobiles
## 624	624	Chennai	2174	22	2.7	Laptop & Computers
## 625	625	Mumbai	4925	8	0.7	Books
## 626	626	Pune	2942	16	4.8	Men's Fashion
## 627	627	Pune	3988	21	2.7	Women's Fashion
## 628	628	Delhi	2955	26	3.5	Men's Fashion
## 629	629	Delhi	2772	33	4.5	Men's Fashion
## 630	630	Pune	2629	22	2.6	Men's Fashion
## 631	631	Chennai	4020	21	4.4	Women's Fashion
## 632	632	Banglore	4951	12	3.3	Books
## 633	633	Chennai	4119	19	4.7	Women's Fashion
## 634	634	Pune	3083	15	3.8	Men's Fashion
## 635	635	Delhi	4107	17	0.2	Women's Fashion
## 636	636	Chennai	1658	4	2.4	Laptop & Computers
## 637	637	Pune	3526	13	2.5	Women's Fashion
## 638	638	Banglore	2418	8	2.6	Laptop & Computers
## 639	639	Mumbai	4983	15	4.6	Books
## 640	640	Pune	2372	33	3.5	Laptop & Computers
## 641	641	Pune	1120	11	2.4	Mobiles

## 642	642	Chennai	4108	9	3.1	Women's Fashion
## 643	643	Mumbai	4262	32	1.4	Books
## 644	644	Chennai	2572	23	4.4	Laptop & Computers
## 645	645	Chennai	2592	11	2.9	Men's Fashion
## 646	646	Mumbai	2880	7	4.0	Men's Fashion
## 647	647	Pune	2582	12	1.7	Men's Fashion
## 648	648	Mumbai	1141	6	3.8	Mobiles
## 649	649	Banglore	3545	20	3.8	Women's Fashion
## 650	650	Banglore	2065	26	0.7	Laptop & Computers
## 651	651	Banglore	3022	11	3.2	Men's Fashion
## 652	652	Pune	2186	33	4.2	Laptop & Computers
## 653	653	Pune	3895	18	3.3	Women's Fashion
## 654	654	Delhi	3222	6	2.9	Men's Fashion
## 655	655	Delhi	2149	13	4.6	Laptop & Computers
## 656	656	Mumbai	2469	18	1.0	Laptop & Computers
## 657	657	Delhi	2726	31	4.7	Men's Fashion
## 658	658	Chennai	2496	13	2.2	Laptop & Computers
## 659	659	Chennai	4670	17	1.2	Books
## 660	660	Banglore	2294	18	1.0	Laptop & Computers
## 661	661	Banglore	1137	18	0.2	Mobiles
## 662	662	Chennai	4185	24	1.6	Women's Fashion
## 663	663	Banglore	1988	21	4.7	Laptop & Computers
## 664	664	Banglore	2313	21	4.8	Laptop & Computers
## 665	665	Banglore	3155	15	3.7	Men's Fashion
## 666	666	Chennai	4219	19	1.1	Women's Fashion
## 667	667	Chennai	4500	12	4.1	Books
## 668	668	Pune	1491	23	0.6	Laptop & Computers
## 669	669	Banglore	1608	12	1.8	Laptop & Computers
## 670	670	Mumbai	1233	17	2.9	Mobiles
## 671	671	Pune	2883	13	3.8	Men's Fashion
## 672	672	Delhi	2095	17	5.0	Laptop & Computers
## 673	673	Pune	3864	15	1.8	Women's Fashion
## 674	674	Banglore	4358	19	1.3	Books
## 675	675	Delhi	1319	12	4.5	Mobiles
## 676	676	Mumbai	1703	8	4.8	Laptop & Computers
## 677	677	Mumbai	2589	31	1.5	Men's Fashion
## 678	678	Mumbai	3157	17	1.5	Men's Fashion
## 679	679	Chennai	2178	34	3.7	Laptop & Computers
## 680	680	Delhi	2141	9	1.2	Laptop & Computers
## 681	681	Mumbai	4565	30	1.9	Books
## 682	682	Banglore	4661	14	4.9	Books
## 683	683	Banglore	3918	14	1.7	Women's Fashion
## 684	684	Delhi	4266	13	2.5	Books
## 685	685	Mumbai	2688	8	0.5	Men's Fashion
## 686	686	Pune	1345	26	2.8	Mobiles
## 687	687	Chennai	2562	26	0.0	Laptop & Computers
## 688	688	Banglore	1558	26	1.7	Laptop & Computers
## 689	689	Chennai	3659	16	1.6	Women's Fashion
## 690	690	Pune	4758	7	0.1	Books
## 691	691	Chennai	2823	16	3.5	Men's Fashion
## 692	692	Delhi	4086	33	4.4	Women's Fashion
## 693	693	Pune	1956	16	0.1	Laptop & Computers
## 694	694	Chennai	3868	16	4.3	Women's Fashion
## 695	695	Delhi	4052	19	2.5	Women's Fashion

## 696	696	Delhi	2704	7	0.4	Men's Fashion
## 697	697	Pune	4397	7	1.2	Books
## 698	698	Banglore	1166	27	3.5	Mobiles
## 699	699	Banglore	4448	29	0.1	Books
## 700	700	Banglore	3150	22	2.2	Men's Fashion
## 701	701	Delhi	3439	34	0.9	Women's Fashion
## 702	702	Chennai	3272	14	3.7	Women's Fashion
## 703	703	Mumbai	3359	27	0.3	Women's Fashion
## 704	704	Mumbai	4050	32	0.8	Women's Fashion
## 705	705	Banglore	4724	28	3.1	Books
## 706	706	Chennai	4126	8	0.0	Women's Fashion
## 707	707	Banglore	2482	24	2.2	Laptop & Computers
## 708	708	Pune	3927	34	4.7	Women's Fashion
## 709	709	Chennai	3070	13	3.5	Men's Fashion
## 710	710	Banglore	3809	8	1.7	Women's Fashion
## 711	711	Chennai	3366	28	3.5	Women's Fashion
## 712	712	Chennai	2017	28	4.2	Laptop & Computers
## 713	713	Chennai	2354	18	3.4	Laptop & Computers
## 714	714	Pune	3946	7	3.8	Women's Fashion
## 715	715	Pune	1751	17	1.4	Laptop & Computers
## 716	716	Chennai	1304	21	0.9	Mobiles
## 717	717	Chennai	2791	13	4.5	Men's Fashion
## 718	718	Pune	3341	5	3.1	Women's Fashion
## 719	719	Chennai	4275	10	0.3	Books
## 720	720	Pune	3025	6	3.3	Men's Fashion
## 721	721	Banglore	3374	19	1.0	Women's Fashion
## 722	722	Banglore	4802	18	2.3	Books
## 723	723	Banglore	4641	30	2.2	Books
## 724	724	Banglore	4808	19	2.1	Books
## 725	725	Chennai	4058	24	3.1	Women's Fashion
## 726	726	Chennai	1530	33	1.3	Laptop & Computers
## 727	727	Delhi	1781	33	4.1	Laptop & Computers
## 728	728	Pune	3221	7	1.2	Men's Fashion
## 729	729	Banglore	4259	34	0.9	Books
## 730	730	Mumbai	2487	28	4.2	Laptop & Computers
## 731	731	Chennai	1335	22	0.1	Mobiles
## 732	732	Banglore	1869	18	3.6	Laptop & Computers
## 733	733	Mumbai	1076	30	0.5	Mobiles
## 734	734	Mumbai	1953	13	4.4	Laptop & Computers
## 735	735	Chennai	1659	21	1.5	Laptop & Computers
## 736	736	Chennai	4062	32	2.3	Women's Fashion
## 737	737	Mumbai	3929	5	3.0	Women's Fashion
## 738	738	Mumbai	4304	22	2.6	Books
## 739	739	Banglore	3617	15	0.3	Women's Fashion
## 740	740	Mumbai	4593	27	2.6	Books
## 741	741	Pune	4899	23	2.7	Books
## 742	742	Pune	1796	32	3.1	Laptop & Computers
## 743	743	Mumbai	4491	30	3.5	Books
## 744	744	Pune	3433	15	3.6	Women's Fashion
## 745	745	Delhi	3275	26	3.2	Women's Fashion
## 746	746	Delhi	1108	4	4.6	Mobiles
## 747	747	Delhi	3923	13	4.6	Women's Fashion
## 748	748	Banglore	4445	31	0.2	Books
## 749	749	Pune	1708	11	4.2	Laptop & Computers

## 750	750	Pune	1460	20	3.4 Laptop & Computers
## 751	751	Mumbai	3467	31	4.5 Women's Fashion Books
## 752	752	Mumbai	4945	34	0.8 Books
## 753	753	Banglore	2558	7	3.1 Laptop & Computers
## 754	754	Banglore	1713	25	0.2 Laptop & Computers
## 755	755	Mumbai	4817	17	1.4 Books
## 756	756	Pune	3499	30	2.5 Women's Fashion
## 757	757	Delhi	4080	16	1.0 Women's Fashion
## 758	758	Banglore	3591	25	4.9 Women's Fashion
## 759	759	Delhi	4646	5	2.7 Books
## 760	760	Delhi	3787	19	4.4 Women's Fashion
## 761	761	Chennai	2105	10	0.5 Laptop & Computers
## 762	762	Mumbai	1547	6	4.8 Laptop & Computers
## 763	763	Pune	2706	33	3.8 Men's Fashion
## 764	764	Delhi	3274	28	0.3 Women's Fashion
## 765	765	Chennai	2510	29	1.1 Laptop & Computers
## 766	766	Mumbai	3126	30	4.0 Men's Fashion
## 767	767	Mumbai	4732	18	0.5 Books
## 768	768	Mumbai	2119	7	0.0 Laptop & Computers
## 769	769	Pune	4892	28	3.6 Books
## 770	770	Pune	3721	18	0.1 Women's Fashion
## 771	771	Mumbai	3890	32	2.9 Women's Fashion
## 772	772	Delhi	3007	24	4.6 Men's Fashion
## 773	773	Mumbai	3998	16	1.8 Women's Fashion
## 774	774	Banglore	1598	33	1.0 Laptop & Computers
## 775	775	Delhi	1149	12	2.8 Mobiles
## 776	776	Mumbai	1755	21	0.6 Laptop & Computers
## 777	777	Pune	4839	10	4.7 Books
## 778	778	Delhi	4085	30	3.0 Women's Fashion
## 779	779	Banglore	2996	10	3.2 Men's Fashion
## 780	780	Delhi	2593	11	3.4 Men's Fashion
## 781	781	Pune	2147	4	4.0 Laptop & Computers
## 782	782	Pune	3057	27	4.6 Men's Fashion
## 783	783	Pune	1170	14	1.2 Mobiles
## 784	784	Pune	4618	5	3.0 Books
## 785	785	Banglore	2508	33	3.4 Laptop & Computers
## 786	786	Mumbai	3245	18	2.9 Men's Fashion
## 787	787	Delhi	1748	26	5.0 Laptop & Computers
## 788	788	Delhi	2615	14	4.6 Men's Fashion
## 789	789	Pune	1919	19	3.4 Laptop & Computers
## 790	790	Pune	2243	26	2.1 Laptop & Computers
## 791	791	Banglore	4233	29	3.4 Books
## 792	792	Mumbai	3915	34	3.9 Women's Fashion
## 793	793	Chennai	4470	16	0.1 Books
## 794	794	Delhi	1928	29	3.6 Laptop & Computers
## 795	795	Delhi	3926	26	0.7 Women's Fashion
## 796	796	Mumbai	4664	14	0.7 Books
## 797	797	Pune	1618	6	0.7 Laptop & Computers
## 798	798	Delhi	2855	30	0.5 Men's Fashion
## 799	799	Mumbai	1697	20	3.6 Laptop & Computers
## 800	800	Chennai	3402	19	0.0 Women's Fashion
## 801	801	Banglore	1441	20	4.5 Laptop & Computers
## 802	802	Delhi	1237	9	4.6 Mobiles
## 803	803	Pune	2864	15	0.6 Men's Fashion

## 804	804	Chennai	3626	13	4.0	Women's Fashion
## 805	805	Mumbai	2742	10	2.6	Men's Fashion
## 806	806	Delhi	3393	22	4.6	Women's Fashion
## 807	807	Mumbai	2802	33	3.9	Men's Fashion
## 808	808	Chennai	1504	10	3.5	Laptop & Computers
## 809	809	Chennai	2400	22	2.5	Laptop & Computers
## 810	810	Pune	1369	22	3.1	Mobiles
## 811	811	Pune	3924	17	0.5	Women's Fashion
## 812	812	Delhi	4077	17	0.7	Women's Fashion
## 813	813	Delhi	3352	31	1.4	Women's Fashion
## 814	814	Banglore	1230	20	3.2	Mobiles
## 815	815	Delhi	1195	19	3.5	Mobiles
## 816	816	Chennai	3955	19	0.6	Women's Fashion
## 817	817	Banglore	3280	9	0.2	Women's Fashion
## 818	818	Banglore	3036	16	1.7	Men's Fashion
## 819	819	Banglore	3821	29	1.2	Women's Fashion
## 820	820	Pune	1000	23	3.8	Mobiles
## 821	821	Mumbai	2956	26	5.0	Men's Fashion
## 822	822	Chennai	1193	21	4.3	Mobiles
## 823	823	Pune	4221	21	1.2	Books
## 824	824	Mumbai	1413	29	1.9	Laptop & Computers
## 825	825	Chennai	2518	27	4.3	Laptop & Computers
## 826	826	Banglore	2106	29	4.7	Laptop & Computers
## 827	827	Chennai	1266	9	2.0	Mobiles
## 828	828	Chennai	1559	32	3.9	Laptop & Computers
## 829	829	Delhi	4450	28	5.0	Books
## 830	830	Chennai	1736	4	2.0	Laptop & Computers
## 831	831	Chennai	4313	23	4.9	Books
## 832	832	Chennai	2740	21	1.7	Men's Fashion
## 833	833	Mumbai	2401	20	1.7	Laptop & Computers
## 834	834	Mumbai	4695	5	1.8	Books
## 835	835	Mumbai	1546	7	4.7	Laptop & Computers
## 836	836	Delhi	3674	16	3.9	Women's Fashion
## 837	837	Pune	2710	5	3.7	Men's Fashion
## 838	838	Pune	4827	15	5.0	Books
## 839	839	Banglore	4864	29	2.4	Books
## 840	840	Delhi	2973	8	3.7	Men's Fashion
## 841	841	Banglore	2144	16	2.4	Laptop & Computers
## 842	842	Chennai	3018	7	3.0	Men's Fashion
## 843	843	Banglore	4893	5	3.5	Books
## 844	844	Banglore	4217	26	0.3	Women's Fashion
## 845	845	Chennai	1676	13	1.7	Laptop & Computers
## 846	846	Banglore	2799	9	4.1	Men's Fashion
## 847	847	Banglore	4609	7	4.3	Books
## 848	848	Delhi	1228	12	4.1	Mobiles
## 849	849	Banglore	1698	4	3.3	Laptop & Computers
## 850	850	Mumbai	2914	26	4.7	Men's Fashion
## 851	851	Chennai	2472	19	0.1	Laptop & Computers
## 852	852	Chennai	1749	28	2.3	Laptop & Computers
## 853	853	Pune	1174	7	0.7	Mobiles
## 854	854	Banglore	2926	21	1.8	Men's Fashion
## 855	855	Chennai	1936	7	3.3	Laptop & Computers
## 856	856	Delhi	4863	14	2.2	Books
## 857	857	Mumbai	4822	6	2.0	Books

## 858	858	Pune	1942	10	5.0	Laptop & Computers
## 859	859	Chennai	4860	18	1.6	Books
## 860	860	Banglore	2945	13	1.8	Men's Fashion
## 861	861	Banglore	2375	17	2.4	Laptop & Computers
## 862	862	Mumbai	3757	33	0.5	Women's Fashion
## 863	863	Banglore	1135	7	2.0	Mobiles
## 864	864	Pune	4782	5	4.4	Books
## 865	865	Pune	3611	14	4.7	Women's Fashion
## 866	866	Mumbai	4066	27	3.2	Women's Fashion
## 867	867	Mumbai	3144	32	2.8	Men's Fashion
## 868	868	Banglore	1355	26	4.6	Mobiles
## 869	869	Banglore	1518	26	0.9	Laptop & Computers
## 870	870	Mumbai	2745	25	3.3	Men's Fashion
## 871	871	Delhi	4251	23	2.4	Books
## 872	872	Pune	2446	17	4.4	Laptop & Computers
## 873	873	Pune	3226	13	3.8	Men's Fashion
## 874	874	Banglore	1427	16	1.0	Laptop & Computers
## 875	875	Pune	1844	29	0.7	Laptop & Computers
## 876	876	Pune	2981	31	3.5	Men's Fashion
## 877	877	Pune	3607	13	1.4	Women's Fashion
## 878	878	Chennai	2940	14	4.1	Men's Fashion
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## 881	881	Pune	4473	9	5.0	Books
## 882	882	Pune	2681	16	1.9	Men's Fashion
## 883	883	Banglore	4791	19	0.8	Books
## 884	884	Delhi	1337	27	5.0	Mobiles
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## 886	886	Banglore	3983	30	0.3	Women's Fashion
## 887	887	Banglore	3149	7	2.3	Men's Fashion
## 888	888	Mumbai	3482	30	2.4	Women's Fashion
## 889	889	Chennai	4972	31	1.6	Books
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## 892	892	Pune	2852	4	4.6	Men's Fashion
## 893	893	Mumbai	3712	18	4.5	Women's Fashion
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## 896	896	Banglore	2411	14	0.1	Laptop & Computers
## 897	897	Pune	1593	29	3.2	Laptop & Computers
## 898	898	Pune	1617	6	3.1	Laptop & Computers
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## 903	903	Delhi	4225	18	1.2	Books
## 904	904	Delhi	4778	29	0.6	Books
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## 906	906	Banglore	3913	28	4.6	Women's Fashion
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## 910	910	Delhi	3418	16	2.6	Women's Fashion
## 911	911	Banglore	4738	9	1.1	Books

## 912	912	Banglore	1146	20	2.5	Mobiles
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## 916	916	Mumbai	2964	12	3.1	Men's Fashion
## 917	917	Delhi	3671	24	2.1	Women's Fashion
## 918	918	Delhi	3995	9	4.2	Women's Fashion
## 919	919	Delhi	2628	4	3.4	Men's Fashion
## 920	920	Mumbai	4566	8	0.7	Books
## 921	921	Chennai	2225	5	0.6	Laptop & Computers
## 922	922	Pune	4990	29	1.9	Books
## 923	923	Pune	1364	33	3.4	Mobiles
## 924	924	Mumbai	1806	18	4.7	Laptop & Computers
## 925	925	Pune	4786	22	1.9	Books
## 926	926	Delhi	1455	14	4.2	Laptop & Computers
## 927	927	Chennai	1782	32	0.1	Laptop & Computers
## 928	928	Mumbai	2719	10	4.1	Men's Fashion
## 929	929	Banglore	3153	23	3.7	Men's Fashion
## 930	930	Mumbai	2311	19	0.9	Laptop & Computers
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## 932	932	Banglore	3866	4	2.1	Women's Fashion
## 933	933	Pune	3141	6	1.5	Men's Fashion
## 934	934	Banglore	1067	12	1.0	Mobiles
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## 937	937	Pune	3589	29	2.3	Women's Fashion
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## 940	940	Chennai	4800	6	1.7	Books
## 941	941	Mumbai	4708	33	2.8	Books
## 942	942	Pune	3541	22	4.6	Women's Fashion
## 943	943	Banglore	3361	18	1.9	Women's Fashion
## 944	944	Mumbai	1687	6	4.5	Laptop & Computers
## 945	945	Mumbai	1489	25	3.5	Laptop & Computers
## 946	946	Mumbai	1129	25	1.2	Mobiles
## 947	947	Mumbai	1224	25	0.4	Mobiles
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## 957	957	Banglore	3204	11	4.0	Men's Fashion
## 958	958	Mumbai	2873	9	2.2	Men's Fashion
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## 961	961	Pune	2943	30	1.0	Men's Fashion
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## 963	963	Pune	4605	17	0.4	Books
## 964	964	Pune	4852	18	0.1	Books
## 965	965	Pune	2219	10	4.4	Laptop & Computers

## 966	966	Mumbai	3453	12	0.5	Women's Fashion
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## 969	969	Mumbai	1822	11	1.6	Laptop & Computers
## 970	970	Banglore	4783	7	4.9	Books
## 971	971	Mumbai	4894	29	4.8	Books
## 972	972	Chennai	4481	9	3.2	Books
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## 975	975	Delhi	4218	23	4.2	Women's Fashion
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## 978	978	Mumbai	1361	7	2.1	Mobiles
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## 986	986	Mumbai	1246	15	1.6	Mobiles
## 987	987	Pune	3049	16	3.7	Men's Fashion
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## 989	989	Mumbai	2239	33	1.7	Laptop & Computers
## 990	990	Mumbai	1983	15	4.0	Laptop & Computers
## 991	991	Chennai	3523	19	2.8	Women's Fashion
## 992	992	Banglore	4628	24	4.2	Books
## 993	993	Chennai	2270	11	4.8	Laptop & Computers
## 994	994	Chennai	4307	22	3.4	Books
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## 996	996	Delhi	1403	21	0.2	Laptop & Computers
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## 1000	1000	Banglore	3641	21	2.2	Women's Fashion
##	MRP					
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## 11	2752					
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## 18	2858					

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## 32      2100
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## 35      2483
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## 85      6233
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## 621 3997
## 622 1257
## 623 24784
## 624 93349
## 625 715
## 626 3373
## 627 2409
## 628 1437
## 629 1552
## 630 2672
## 631 1843
## 632 2187
## 633 10978
## 634 1660
## 635 9567
## 636 143438
## 637 2498
## 638 125326
## 639 3374
## 640 58177
## 641 20759
## 642 5544
## 643 343
## 644 82991
## 645 1109
## 646 5737
## 647 4066
## 648 58096
## 649 10266
## 650 164110
## 651 3145
## 652 154753
## 653 6939
## 654 5150
## 655 93385
## 656 164435
## 657 6241
## 658 43321
## 659 596
## 660 89542
## 661 50566
## 662 6735
## 663 112249
## 664 52728
## 665 2380
## 666 14521
```

```
## 667      3494
## 668     159385
## 669     162862
## 670      25865
## 671      3219
## 672     66092
## 673     14839
## 674      2881
## 675     32442
## 676    152280
## 677      1316
## 678      3814
## 679    152744
## 680    125832
## 681      1216
## 682      924
## 683      1282
## 684      3740
## 685      3789
## 686    16621
## 687    86718
## 688    69911
## 689      845
## 690    2338
## 691      3795
## 692    5504
## 693    92356
## 694      6759
## 695      7466
## 696      3694
## 697      1797
## 698    16416
## 699      1665
## 700      5159
## 701      9697
## 702      2181
## 703      5250
## 704    16990
## 705      951
## 706    10610
## 707   130202
## 708    14298
## 709      6253
## 710      8131
## 711      3565
## 712   118986
## 713   114783
## 714    11147
## 715   123449
## 716    50188
## 717      1257
## 718      3240
## 719      2530
## 720      1386
```

```
## 721    13476
## 722     298
## 723     393
## 724    2888
## 725    5390
## 726   130717
## 727   155310
## 728    2183
## 729     623
## 730  141910
## 731   29683
## 732  122514
## 733   55574
## 734   86162
## 735  108574
## 736    7672
## 737   16022
## 738    2212
## 739    6014
## 740    2622
## 741    2515
## 742   93966
## 743     991
## 744    7478
## 745    2817
## 746   41273
## 747    2154
## 748    2428
## 749   91400
## 750  152048
## 751   13984
## 752    1586
## 753  124230
## 754  140031
## 755    1534
## 756    3121
## 757     945
## 758   12810
## 759    2218
## 760   10855
## 761  111710
## 762  128344
## 763    1969
## 764   12247
## 765   46645
## 766    1102
## 767    1558
## 768  115155
## 769    3501
## 770    3340
## 771    2967
## 772    6061
## 773    8309
## 774   57677
```

```
## 775 14278
## 776 94535
## 777 1417
## 778 5155
## 779 4685
## 780 6277
## 781 72862
## 782 3199
## 783 40214
## 784 354
## 785 45452
## 786 3723
## 787 70392
## 788 1451
## 789 99522
## 790 138019
## 791 3219
## 792 4473
## 793 3575
## 794 48965
## 795 15760
## 796 3612
## 797 120307
## 798 2031
## 799 87865
## 800 2466
## 801 95883
## 802 38652
## 803 1743
## 804 9548
## 805 3555
## 806 1047
## 807 5811
## 808 149175
## 809 59654
## 810 49497
## 811 1634
## 812 1952
## 813 8421
## 814 58319
## 815 34535
## 816 10946
## 817 12864
## 818 3824
## 819 16253
## 820 41889
## 821 1292
## 822 58110
## 823 2182
## 824 44634
## 825 148062
## 826 60255
## 827 40043
## 828 149041
```

```
## 829      961
## 830    39258
## 831     2042
## 832     2146
## 833   90794
## 834     2837
## 835   52579
## 836     1566
## 837     2950
## 838     2099
## 839     2168
## 840     5101
## 841   37508
## 842     5171
## 843     1882
## 844     5993
## 845   95730
## 846     4692
## 847     319
## 848   50563
## 849  125758
## 850     3013
## 851  128052
## 852     73557
## 853   62952
## 854     2942
## 855   67402
## 856     2110
## 857     777
## 858  113884
## 859     1964
## 860     1134
## 861  125763
## 862     1031
## 863   50908
## 864     2960
## 865     8959
## 866   10283
## 867     1437
## 868   56664
## 869   41572
## 870     5170
## 871     906
## 872  159198
## 873     2964
## 874  159612
## 875  146631
## 876     3922
## 877     9180
## 878     4183
## 879  156517
## 880  163106
## 881     3259
## 882     6116
```

```
## 883    1212
## 884    63547
## 885     375
## 886    1677
## 887    1614
## 888   15816
## 889    1606
## 890    1412
## 891   65499
## 892    3705
## 893    3820
## 894  119809
## 895   41622
## 896  122774
## 897   45323
## 898  130227
## 899  124408
## 900   48916
## 901    9027
## 902   44105
## 903    2810
## 904    3784
## 905   13173
## 906   15458
## 907    987
## 908   1338
## 909   78242
## 910   4178
## 911   2514
## 912   10479
## 913   4166
## 914  140477
## 915    870
## 916   3060
## 917   1074
## 918   13005
## 919    5170
## 920    630
## 921  130027
## 922   1094
## 923   61436
## 924  125021
## 925   3690
## 926  124664
## 927   81973
## 928   3445
## 929   5152
## 930   78205
## 931   3656
## 932   8093
## 933   1473
## 934   52822
## 935   2394
## 936    930
```

```
## 937      5068
## 938      1458
## 939    158245
## 940      3652
## 941      265
## 942    10706
## 943      4162
## 944    70743
## 945   111865
## 946    51370
## 947    48470
## 948    11241
## 949  119484
## 950      3706
## 951      2783
## 952      2566
## 953      481
## 954   68451
## 955   15902
## 956      1190
## 957      3229
## 958      1633
## 959    91141
## 960      1367
## 961      5745
## 962      5281
## 963      2293
## 964      1075
## 965   95986
## 966      5313
## 967      1503
## 968  133902
## 969  106781
## 970      1453
## 971      932
## 972      2970
## 973    101516
## 974      2023
## 975    16386
## 976  140954
## 977      1090
## 978    52388
## 979  131960
## 980    101188
## 981    40660
## 982  118289
## 983  122163
## 984    74256
## 985    13320
## 986    29043
## 987      1279
## 988      3077
## 989  141105
## 990    73353
```

```

## 991    8613
## 992    2811
## 993    54804
## 994    2767
## 995   114375
## 996   68845
## 997  112731
## 998   2941
## 999   18682
## 1000  13242

```

9. Create a column named as total that holds the final price after discount.

```

perc <- (amazon_reviews$Discount * amazon_reviews$MRP)/100
amazon_reviews$Total <- amazon_reviews$MRP - perc
amazon_reviews

```

##	Serial.No	Delivery.Location	Product.ID	Discount	Review	Category
## 1	1	Mumbai	3694	10	0.6	Women's Fashion
## 2	2	Chennai	1476	32	2.8	Laptop & Computers
## 3	3	Delhi	2559	27	2.3	Laptop & Computers
## 4	4	Delhi	2467	31	2.4	Laptop & Computers
## 5	5	Delhi	4120	28	4.8	Women's Fashion
## 6	6	Banglore	1071	20	0.7	Mobiles
## 7	7	Pune	2640	11	4.0	Men's Fashion
## 8	8	Chennai	1281	12	2.5	Mobiles
## 9	9	Delhi	3106	29	1.5	Men's Fashion
## 10	10	Pune	2013	30	3.5	Laptop & Computers
## 11	11	Delhi	4343	25	0.0	Books
## 12	12	Chennai	2379	19	0.7	Laptop & Computers
## 13	13	Banglore	2728	7	0.2	Men's Fashion
## 14	14	Pune	1519	4	4.0	Laptop & Computers
## 15	15	Mumbai	2474	11	4.3	Laptop & Computers
## 16	16	Delhi	3600	6	2.3	Women's Fashion
## 17	17	Banglore	3667	12	4.2	Women's Fashion
## 18	18	Delhi	3583	15	4.6	Women's Fashion
## 19	19	Pune	3745	27	3.3	Women's Fashion
## 20	20	Mumbai	3666	29	2.4	Women's Fashion
## 21	21	Delhi	1878	14	1.0	Laptop & Computers
## 22	22	Mumbai	2972	18	4.7	Men's Fashion
## 23	23	Mumbai	2912	24	4.7	Men's Fashion
## 24	24	Pune	3743	28	4.0	Women's Fashion
## 25	25	Mumbai	4297	27	2.8	Books
## 26	26	Mumbai	1664	5	0.4	Laptop & Computers
## 27	27	Chennai	2994	28	0.2	Men's Fashion
## 28	28	Mumbai	3159	14	3.6	Men's Fashion
## 29	29	Mumbai	4311	19	2.9	Books
## 30	30	Chennai	1700	19	0.3	Laptop & Computers
## 31	31	Pune	3408	32	4.4	Women's Fashion
## 32	32	Chennai	4228	12	2.8	Books
## 33	33	Delhi	3564	32	0.3	Women's Fashion
## 34	34	Chennai	2282	8	3.9	Laptop & Computers
## 35	35	Delhi	2892	6	0.2	Men's Fashion

## 36	36	Mumbai	1093	8	1.1	Mobiles
## 37	37	Banglore	3051	33	4.5	Men's Fashion
## 38	38	Delhi	2564	32	4.8	Laptop & Computers
## 39	39	Chennai	1131	7	1.1	Mobiles
## 40	40	Delhi	1295	16	0.8	Mobiles
## 41	41	Banglore	4714	32	2.0	Books
## 42	42	Delhi	3349	7	1.7	Women's Fashion
## 43	43	Pune	4509	11	4.7	Books
## 44	44	Chennai	2342	6	1.3	Laptop & Computers
## 45	45	Chennai	4696	15	1.1	Books
## 46	46	Pune	2931	17	3.9	Men's Fashion
## 47	47	Chennai	1648	25	0.8	Laptop & Computers
## 48	48	Delhi	3452	34	0.1	Women's Fashion
## 49	49	Pune	1273	20	0.8	Mobiles
## 50	50	Chennai	4631	15	1.8	Books
## 51	51	Pune	2784	12	1.1	Men's Fashion
## 52	52	Pune	4789	24	1.1	Books
## 53	53	Banglore	1011	21	0.6	Mobiles
## 54	54	Banglore	4047	19	1.8	Women's Fashion
## 55	55	Banglore	4848	28	3.9	Books
## 56	56	Mumbai	1513	17	3.9	Laptop & Computers
## 57	57	Pune	4464	15	4.3	Books
## 58	58	Mumbai	4197	11	4.8	Women's Fashion
## 59	59	Banglore	4602	12	5.0	Books
## 60	60	Delhi	4467	5	3.1	Books
## 61	61	Pune	4787	12	1.0	Books
## 62	62	Pune	2798	33	2.9	Men's Fashion
## 63	63	Banglore	3322	22	1.8	Women's Fashion
## 64	64	Delhi	2319	15	1.7	Laptop & Computers
## 65	65	Chennai	4937	15	1.7	Books
## 66	66	Chennai	4883	10	2.3	Books
## 67	67	Pune	1829	22	1.7	Laptop & Computers
## 68	68	Chennai	1818	11	0.4	Laptop & Computers
## 69	69	Delhi	2851	11	3.4	Men's Fashion
## 70	70	Chennai	3655	15	2.8	Women's Fashion
## 71	71	Delhi	2738	20	0.7	Men's Fashion
## 72	72	Delhi	1925	33	4.9	Laptop & Computers
## 73	73	Chennai	4938	22	1.8	Books
## 74	74	Mumbai	4665	31	4.1	Books
## 75	75	Chennai	4857	14	0.8	Books
## 76	76	Chennai	3486	33	4.7	Women's Fashion
## 77	77	Chennai	3135	22	1.9	Men's Fashion
## 78	78	Delhi	2425	21	1.0	Laptop & Computers
## 79	79	Banglore	4831	21	1.1	Books
## 80	80	Chennai	4780	26	3.2	Books
## 81	81	Delhi	1930	27	1.3	Laptop & Computers
## 82	82	Mumbai	2415	21	2.1	Laptop & Computers
## 83	83	Pune	3289	27	0.6	Women's Fashion
## 84	84	Delhi	4832	8	2.4	Books
## 85	85	Chennai	3834	6	4.6	Women's Fashion
## 86	86	Banglore	4992	32	4.0	Books
## 87	87	Mumbai	4241	11	1.5	Books
## 88	88	Delhi	1623	21	0.5	Laptop & Computers
## 89	89	Banglore	2235	28	0.3	Laptop & Computers

## 90	90	Banglore	1827	22	4.4	Laptop & Computers
## 91	91	Banglore	2866	30	1.9	Men's Fashion
## 92	92	Chennai	3827	13	2.9	Women's Fashion
## 93	93	Chennai	4104	12	3.9	Women's Fashion
## 94	94	Pune	3709	19	0.6	Women's Fashion
## 95	95	Chennai	4579	23	3.9	Books
## 96	96	Chennai	3886	31	1.4	Women's Fashion
## 97	97	Pune	2718	14	1.9	Men's Fashion
## 98	98	Chennai	3392	15	2.7	Women's Fashion
## 99	99	Chennai	3798	4	0.8	Women's Fashion
## 100	100	Delhi	2832	17	0.1	Men's Fashion
## 101	101	Chennai	3767	25	3.2	Women's Fashion
## 102	102	Mumbai	4781	31	2.8	Books
## 103	103	Chennai	2731	10	2.1	Men's Fashion
## 104	104	Mumbai	2196	26	2.3	Laptop & Computers
## 105	105	Delhi	2427	28	5.0	Laptop & Computers
## 106	106	Pune	4879	18	2.4	Books
## 107	107	Pune	3118	12	3.0	Men's Fashion
## 108	108	Pune	3087	19	2.7	Men's Fashion
## 109	109	Chennai	1701	9	3.9	Laptop & Computers
## 110	110	Pune	2870	7	4.9	Men's Fashion
## 111	111	Banglore	2363	16	3.6	Laptop & Computers
## 112	112	Delhi	1859	23	0.8	Laptop & Computers
## 113	113	Delhi	3248	33	1.7	Men's Fashion
## 114	114	Mumbai	2217	11	4.1	Laptop & Computers
## 115	115	Pune	1699	10	1.7	Laptop & Computers
## 116	116	Delhi	3784	11	0.3	Women's Fashion
## 117	117	Delhi	4548	33	3.4	Books
## 118	118	Mumbai	3389	18	3.5	Women's Fashion
## 119	119	Pune	1215	23	2.1	Mobiles
## 120	120	Chennai	1050	31	2.6	Mobiles
## 121	121	Pune	4032	12	0.6	Women's Fashion
## 122	122	Pune	2438	5	3.5	Laptop & Computers
## 123	123	Pune	4958	31	3.2	Books
## 124	124	Pune	1027	4	0.6	Mobiles
## 125	125	Chennai	3023	32	3.0	Men's Fashion
## 126	126	Chennai	4057	25	3.6	Women's Fashion
## 127	127	Mumbai	4300	27	0.4	Books
## 128	128	Chennai	3760	22	4.6	Women's Fashion
## 129	129	Chennai	2937	28	1.6	Men's Fashion
## 130	130	Chennai	3473	34	3.7	Women's Fashion
## 131	131	Mumbai	3385	25	1.0	Women's Fashion
## 132	132	Pune	2659	31	4.6	Men's Fashion
## 133	133	Banglore	4779	11	3.8	Books
## 134	134	Banglore	1482	21	3.0	Laptop & Computers
## 135	135	Banglore	4699	8	0.2	Books
## 136	136	Pune	3211	12	1.8	Men's Fashion
## 137	137	Pune	1853	21	3.1	Laptop & Computers
## 138	138	Delhi	1410	13	2.5	Laptop & Computers
## 139	139	Mumbai	1454	21	4.0	Laptop & Computers
## 140	140	Banglore	2083	31	2.4	Laptop & Computers
## 141	141	Delhi	1611	7	4.4	Laptop & Computers
## 142	142	Delhi	4943	6	3.8	Books
## 143	143	Banglore	2504	23	0.8	Laptop & Computers

## 144	144	Pune	1635	7	4.4 Laptop & Computers
## 145	145	Pune	3438	25	0.2 Women's Fashion
## 146	146	Chennai	1414	30	2.7 Laptop & Computers
## 147	147	Mumbai	4069	10	3.4 Women's Fashion
## 148	148	Delhi	4428	31	1.8 Books
## 149	149	Mumbai	3043	7	1.0 Men's Fashion
## 150	150	Pune	2924	33	2.3 Men's Fashion
## 151	151	Delhi	2774	4	2.6 Men's Fashion
## 152	152	Mumbai	1080	31	3.1 Mobiles
## 153	153	Banglore	4859	10	3.5 Books
## 154	154	Mumbai	2317	34	1.1 Laptop & Computers
## 155	155	Banglore	2930	33	4.4 Men's Fashion
## 156	156	Mumbai	1494	8	3.7 Laptop & Computers
## 157	157	Banglore	3470	31	1.9 Women's Fashion
## 158	158	Pune	2822	8	1.4 Men's Fashion
## 159	159	Pune	4586	18	1.4 Books
## 160	160	Pune	4026	20	4.6 Women's Fashion
## 161	161	Mumbai	4571	33	1.9 Books
## 162	162	Delhi	3975	9	0.7 Women's Fashion
## 163	163	Delhi	1122	14	4.5 Mobiles
## 164	164	Banglore	3457	18	3.7 Women's Fashion
## 165	165	Mumbai	3536	10	4.7 Women's Fashion
## 166	166	Mumbai	2560	34	2.9 Laptop & Computers
## 167	167	Mumbai	2132	6	1.7 Laptop & Computers
## 168	168	Chennai	3490	22	2.5 Women's Fashion
## 169	169	Chennai	1760	23	4.1 Laptop & Computers
## 170	170	Delhi	3504	30	0.2 Women's Fashion
## 171	171	Chennai	4756	29	1.8 Books
## 172	172	Delhi	2090	12	2.4 Laptop & Computers
## 173	173	Chennai	2051	28	1.5 Laptop & Computers
## 174	174	Pune	1738	16	3.9 Laptop & Computers
## 175	175	Chennai	3898	10	3.6 Women's Fashion
## 176	176	Delhi	4904	30	0.1 Books
## 177	177	Delhi	4082	28	3.9 Women's Fashion
## 178	178	Delhi	4031	12	4.0 Women's Fashion
## 179	179	Delhi	3559	16	3.1 Women's Fashion
## 180	180	Pune	1863	6	4.8 Laptop & Computers
## 181	181	Delhi	1291	31	1.5 Mobiles
## 182	182	Delhi	2419	6	2.9 Laptop & Computers
## 183	183	Banglore	3540	22	3.9 Women's Fashion
## 184	184	Delhi	1485	26	2.5 Laptop & Computers
## 185	185	Banglore	4795	14	4.2 Books
## 186	186	Chennai	3254	27	5.0 Men's Fashion
## 187	187	Pune	1974	30	3.0 Laptop & Computers
## 188	188	Banglore	2326	7	3.1 Laptop & Computers
## 189	189	Delhi	4283	15	4.5 Books
## 190	190	Pune	1839	16	1.4 Laptop & Computers
## 191	191	Mumbai	3619	9	0.8 Women's Fashion
## 192	192	Banglore	2069	23	0.5 Laptop & Computers
## 193	193	Delhi	4301	18	2.3 Books
## 194	194	Pune	1250	18	1.4 Mobiles
## 195	195	Pune	2949	27	0.7 Men's Fashion
## 196	196	Pune	4281	18	1.5 Books
## 197	197	Pune	4673	23	2.9 Books

## 198	198	Mumbai	3050	11	2.0	Men's Fashion
## 199	199	Chennai	2042	31	5.0	Laptop & Computers
## 200	200	Chennai	2048	17	4.6	Laptop & Computers
## 201	201	Delhi	3229	9	0.8	Men's Fashion
## 202	202	Banglore	4900	32	3.6	Books
## 203	203	Mumbai	3535	19	3.3	Women's Fashion
## 204	204	Pune	2060	30	2.9	Laptop & Computers
## 205	205	Banglore	1808	33	0.4	Laptop & Computers
## 206	206	Pune	4615	21	4.1	Books
## 207	207	Chennai	2264	29	3.6	Laptop & Computers
## 208	208	Pune	1143	13	3.3	Mobiles
## 209	209	Banglore	4929	6	2.6	Books
## 210	210	Banglore	2534	22	1.8	Laptop & Computers
## 211	211	Pune	2703	28	4.4	Men's Fashion
## 212	212	Pune	4417	25	2.4	Books
## 213	213	Mumbai	2770	19	3.0	Men's Fashion
## 214	214	Mumbai	1498	11	4.1	Laptop & Computers
## 215	215	Delhi	4294	8	4.4	Books
## 216	216	Pune	1095	5	1.2	Mobiles
## 217	217	Mumbai	3861	11	1.9	Women's Fashion
## 218	218	Pune	3683	12	1.9	Women's Fashion
## 219	219	Pune	3446	20	3.0	Women's Fashion
## 220	220	Pune	4013	19	3.0	Women's Fashion
## 221	221	Mumbai	4159	33	4.8	Women's Fashion
## 222	222	Delhi	2230	34	2.2	Laptop & Computers
## 223	223	Mumbai	1583	11	2.7	Laptop & Computers
## 224	224	Delhi	4023	29	4.8	Women's Fashion
## 225	225	Mumbai	3397	14	1.4	Women's Fashion
## 226	226	Banglore	1062	22	5.0	Mobiles
## 227	227	Pune	1660	34	1.9	Laptop & Computers
## 228	228	Pune	1434	17	1.6	Laptop & Computers
## 229	229	Pune	3030	31	1.4	Men's Fashion
## 230	230	Pune	4528	32	0.8	Books
## 231	231	Chennai	1036	18	4.8	Mobiles
## 232	232	Delhi	2697	12	0.7	Men's Fashion
## 233	233	Chennai	4741	9	4.5	Books
## 234	234	Pune	2156	27	1.4	Laptop & Computers
## 235	235	Chennai	1873	18	4.5	Laptop & Computers
## 236	236	Delhi	2636	11	2.6	Men's Fashion
## 237	237	Banglore	1865	19	0.0	Laptop & Computers
## 238	238	Delhi	2021	33	4.0	Laptop & Computers
## 239	239	Mumbai	3746	34	0.9	Women's Fashion
## 240	240	Delhi	3330	24	2.3	Women's Fashion
## 241	241	Mumbai	4730	22	1.3	Books
## 242	242	Delhi	4564	18	1.6	Books
## 243	243	Banglore	3520	12	2.5	Women's Fashion
## 244	244	Chennai	2661	8	0.3	Men's Fashion
## 245	245	Pune	2246	5	1.8	Laptop & Computers
## 246	246	Pune	4369	33	1.7	Books
## 247	247	Delhi	1428	8	4.8	Laptop & Computers
## 248	248	Pune	3252	13	0.2	Men's Fashion
## 249	249	Pune	2397	8	1.2	Laptop & Computers
## 250	250	Chennai	3932	5	0.9	Women's Fashion
## 251	251	Banglore	4890	33	1.6	Books

## 252	252	Chennai	3003	30	1.3	Men's Fashion
## 253	253	Chennai	2840	30	2.3	Men's Fashion
## 254	254	Chennai	1662	22	3.4	Laptop & Computers
## 255	255	Chennai	2627	16	0.6	Men's Fashion
## 256	256	Delhi	3544	28	3.4	Women's Fashion
## 257	257	Pune	3997	33	0.2	Women's Fashion
## 258	258	Mumbai	4131	34	0.2	Women's Fashion
## 259	259	Delhi	3062	28	1.1	Men's Fashion
## 260	260	Chennai	4773	13	3.2	Books
## 261	261	Banglore	3259	16	3.0	Men's Fashion
## 262	262	Banglore	1511	16	2.5	Laptop & Computers
## 263	263	Pune	1144	25	1.2	Mobiles
## 264	264	Mumbai	3766	24	3.9	Women's Fashion
## 265	265	Banglore	2462	23	1.8	Laptop & Computers
## 266	266	Chennai	3312	23	4.9	Women's Fashion
## 267	267	Delhi	1637	34	3.0	Laptop & Computers
## 268	268	Banglore	4919	34	0.2	Books
## 269	269	Mumbai	2453	20	1.1	Laptop & Computers
## 270	270	Banglore	2678	26	3.0	Men's Fashion
## 271	271	Mumbai	4198	31	2.6	Women's Fashion
## 272	272	Chennai	3104	20	4.6	Men's Fashion
## 273	273	Mumbai	3669	25	0.1	Women's Fashion
## 274	274	Pune	2407	31	3.0	Laptop & Computers
## 275	275	Chennai	4761	18	4.1	Books
## 276	276	Delhi	3432	22	5.0	Women's Fashion
## 277	277	Chennai	4337	23	2.3	Books
## 278	278	Mumbai	1151	20	0.2	Mobiles
## 279	279	Banglore	4597	18	2.8	Books
## 280	280	Delhi	2424	26	3.2	Laptop & Computers
## 281	281	Pune	4804	12	5.0	Books
## 282	282	Chennai	3819	33	1.5	Women's Fashion
## 283	283	Mumbai	3130	20	3.6	Men's Fashion
## 284	284	Delhi	1081	11	1.8	Mobiles
## 285	285	Mumbai	1880	17	5.0	Laptop & Computers
## 286	286	Chennai	3242	18	1.0	Men's Fashion
## 287	287	Pune	4455	34	0.4	Books
## 288	288	Chennai	2484	28	2.8	Laptop & Computers
## 289	289	Chennai	2161	17	4.8	Laptop & Computers
## 290	290	Mumbai	2936	30	3.6	Men's Fashion
## 291	291	Banglore	2613	4	4.1	Men's Fashion
## 292	292	Mumbai	4823	12	5.0	Books
## 293	293	Delhi	4170	13	3.4	Women's Fashion
## 294	294	Mumbai	1582	27	2.6	Laptop & Computers
## 295	295	Pune	1226	17	1.8	Mobiles
## 296	296	Mumbai	1770	20	4.3	Laptop & Computers
## 297	297	Delhi	1258	29	2.4	Mobiles
## 298	298	Mumbai	2035	7	0.2	Laptop & Computers
## 299	299	Banglore	4810	22	4.8	Books
## 300	300	Mumbai	1352	21	4.9	Mobiles
## 301	301	Chennai	2950	20	4.7	Men's Fashion
## 302	302	Banglore	3636	6	0.0	Women's Fashion
## 303	303	Delhi	3279	16	1.3	Women's Fashion
## 304	304	Banglore	3066	13	1.2	Men's Fashion
## 305	305	Mumbai	3225	20	4.0	Men's Fashion

## 306	306	Banglore	4102	17	3.8	Women's Fashion
## 307	307	Chennai	1066	34	0.4	Mobiles
## 308	308	Mumbai	3507	27	3.2	Women's Fashion
## 309	309	Banglore	1094	6	2.5	Mobiles
## 310	310	Chennai	4354	10	3.4	Books
## 311	311	Pune	4438	6	0.6	Books
## 312	312	Chennai	3689	6	4.7	Women's Fashion
## 313	313	Pune	2054	6	4.2	Laptop & Computers
## 314	314	Pune	1681	24	3.2	Laptop & Computers
## 315	315	Mumbai	1087	15	1.0	Mobiles
## 316	316	Mumbai	1002	31	2.7	Mobiles
## 317	317	Banglore	2948	4	4.7	Men's Fashion
## 318	318	Pune	4444	34	4.9	Books
## 319	319	Mumbai	1800	29	1.1	Laptop & Computers
## 320	320	Delhi	2458	16	0.6	Laptop & Computers
## 321	321	Mumbai	4799	11	2.9	Books
## 322	322	Mumbai	2316	22	1.9	Laptop & Computers
## 323	323	Mumbai	1466	21	2.9	Laptop & Computers
## 324	324	Delhi	2546	34	4.6	Laptop & Computers
## 325	325	Pune	3628	6	3.5	Women's Fashion
## 326	326	Banglore	3808	15	1.9	Women's Fashion
## 327	327	Mumbai	3396	34	4.8	Women's Fashion
## 328	328	Banglore	3288	30	5.0	Women's Fashion
## 329	329	Delhi	3404	18	0.6	Women's Fashion
## 330	330	Mumbai	2641	5	1.4	Men's Fashion
## 331	331	Pune	4122	34	1.2	Women's Fashion
## 332	332	Mumbai	4490	13	3.9	Books
## 333	333	Chennai	2946	33	4.0	Men's Fashion
## 334	334	Mumbai	1978	22	4.3	Laptop & Computers
## 335	335	Pune	1107	27	1.7	Mobiles
## 336	336	Pune	1856	6	2.9	Laptop & Computers
## 337	337	Mumbai	3178	32	2.3	Men's Fashion
## 338	338	Delhi	2395	24	2.1	Laptop & Computers
## 339	339	Pune	1368	4	4.5	Mobiles
## 340	340	Pune	4973	22	1.5	Books
## 341	341	Chennai	2536	19	2.8	Laptop & Computers
## 342	342	Banglore	2292	8	0.1	Laptop & Computers
## 343	343	Mumbai	3728	22	4.3	Women's Fashion
## 344	344	Delhi	3854	22	3.9	Women's Fashion
## 345	345	Chennai	4204	14	1.7	Women's Fashion
## 346	346	Pune	4040	8	3.6	Women's Fashion
## 347	347	Banglore	2442	28	4.4	Laptop & Computers
## 348	348	Delhi	3054	32	0.7	Men's Fashion
## 349	349	Pune	3543	20	2.2	Women's Fashion
## 350	350	Mumbai	2450	8	4.3	Laptop & Computers
## 351	351	Banglore	3336	13	0.7	Women's Fashion
## 352	352	Delhi	1586	22	2.2	Laptop & Computers
## 353	353	Mumbai	2530	6	2.8	Laptop & Computers
## 354	354	Delhi	4099	30	3.8	Women's Fashion
## 355	355	Pune	1239	22	4.7	Mobiles
## 356	356	Banglore	2393	15	0.2	Laptop & Computers
## 357	357	Delhi	4211	28	3.5	Women's Fashion
## 358	358	Banglore	1375	23	2.8	Mobiles
## 359	359	Chennai	2350	6	4.1	Laptop & Computers

## 360	360	Banglore	2757	23	0.6	Men's Fashion
## 361	361	Mumbai	1147	20	0.5	Mobiles
## 362	362	Mumbai	2821	21	5.0	Men's Fashion
## 363	363	Mumbai	2838	19	3.5	Men's Fashion
## 364	364	Banglore	4043	4	4.4	Women's Fashion
## 365	365	Mumbai	1787	17	4.8	Laptop & Computers
## 366	366	Mumbai	2136	16	0.4	Laptop & Computers
## 367	367	Pune	4768	12	2.7	Books
## 368	368	Mumbai	1198	10	2.9	Mobiles
## 369	369	Chennai	3958	8	0.3	Women's Fashion
## 370	370	Pune	4866	4	3.0	Books
## 371	371	Mumbai	4367	29	4.1	Books
## 372	372	Chennai	2320	31	0.0	Laptop & Computers
## 373	373	Mumbai	4627	6	1.4	Books
## 374	374	Mumbai	2233	10	3.4	Laptop & Computers
## 375	375	Mumbai	1733	19	1.4	Laptop & Computers
## 376	376	Delhi	1599	14	4.4	Laptop & Computers
## 377	377	Chennai	2045	4	1.6	Laptop & Computers
## 378	378	Chennai	4321	14	1.2	Books
## 379	379	Chennai	1634	30	3.3	Laptop & Computers
## 380	380	Chennai	3093	31	1.1	Men's Fashion
## 381	381	Delhi	1271	19	3.1	Mobiles
## 382	382	Mumbai	2052	21	4.6	Laptop & Computers
## 383	383	Delhi	1961	15	3.3	Laptop & Computers
## 384	384	Chennai	1043	27	2.4	Mobiles
## 385	385	Banglore	3872	10	1.5	Women's Fashion
## 386	386	Chennai	4573	33	4.9	Books
## 387	387	Pune	2127	23	1.2	Laptop & Computers
## 388	388	Chennai	3257	33	0.7	Men's Fashion
## 389	389	Mumbai	3660	18	2.5	Women's Fashion
## 390	390	Chennai	2657	7	3.7	Men's Fashion
## 391	391	Chennai	1556	23	4.3	Laptop & Computers
## 392	392	Delhi	3311	20	1.2	Women's Fashion
## 393	393	Banglore	2430	22	0.1	Laptop & Computers
## 394	394	Banglore	2195	10	3.5	Laptop & Computers
## 395	395	Pune	2991	18	4.3	Men's Fashion
## 396	396	Delhi	4478	16	0.2	Books
## 397	397	Banglore	2820	11	1.0	Men's Fashion
## 398	398	Mumbai	1038	12	4.4	Mobiles
## 399	399	Delhi	2903	15	3.6	Men's Fashion
## 400	400	Delhi	1322	21	2.5	Mobiles
## 401	401	Mumbai	4744	33	5.0	Books
## 402	402	Banglore	4427	27	3.6	Books
## 403	403	Chennai	1824	25	3.2	Laptop & Computers
## 404	404	Mumbai	4059	29	0.5	Women's Fashion
## 405	405	Mumbai	4356	30	3.1	Books
## 406	406	Pune	2193	17	1.2	Laptop & Computers
## 407	407	Banglore	1134	19	0.4	Mobiles
## 408	408	Delhi	2207	32	2.0	Laptop & Computers
## 409	409	Mumbai	2029	5	4.7	Laptop & Computers
## 410	410	Pune	2970	15	2.9	Men's Fashion
## 411	411	Delhi	3339	28	3.2	Women's Fashion
## 412	412	Pune	2900	25	1.0	Men's Fashion
## 413	413	Mumbai	4012	11	2.9	Women's Fashion

## 414	414	Mumbai	2115	21	1.7 Laptop & Computers
## 415	415	Banglore	3717	8	4.4 Women's Fashion
## 416	416	Pune	1951	29	2.3 Laptop & Computers
## 417	417	Banglore	4514	16	0.1 Books
## 418	418	Delhi	2923	11	3.2 Men's Fashion
## 419	419	Chennai	4911	26	3.6 Books
## 420	420	Delhi	4830	15	5.0 Books
## 421	421	Banglore	1425	11	4.7 Laptop & Computers
## 422	422	Mumbai	3228	26	3.7 Men's Fashion
## 423	423	Chennai	2792	32	4.6 Men's Fashion
## 424	424	Mumbai	1380	10	0.7 Laptop & Computers
## 425	425	Chennai	4815	19	0.4 Books
## 426	426	Chennai	3749	6	4.7 Women's Fashion
## 427	427	Delhi	1802	25	3.4 Laptop & Computers
## 428	428	Pune	3830	7	5.0 Women's Fashion
## 429	429	Delhi	3896	28	4.5 Women's Fashion
## 430	430	Pune	3188	23	2.4 Men's Fashion
## 431	431	Banglore	2377	34	5.0 Laptop & Computers
## 432	432	Chennai	2332	32	3.1 Laptop & Computers
## 433	433	Banglore	2611	13	2.6 Men's Fashion
## 434	434	Mumbai	1735	10	0.5 Laptop & Computers
## 435	435	Banglore	3414	28	0.0 Women's Fashion
## 436	436	Banglore	1289	27	1.8 Mobiles
## 437	437	Chennai	2112	9	0.1 Laptop & Computers
## 438	438	Delhi	2999	22	2.4 Men's Fashion
## 439	439	Chennai	3421	7	0.2 Women's Fashion
## 440	440	Delhi	1305	16	2.9 Mobiles
## 441	441	Banglore	4340	20	2.8 Books
## 442	442	Chennai	2223	8	3.8 Laptop & Computers
## 443	443	Delhi	1293	31	2.1 Mobiles
## 444	444	Mumbai	1747	33	1.5 Laptop & Computers
## 445	445	Chennai	4532	27	2.5 Books
## 446	446	Pune	4393	30	2.1 Books
## 447	447	Pune	3531	7	2.0 Women's Fashion
## 448	448	Pune	4258	31	4.0 Books
## 449	449	Banglore	3539	34	1.8 Women's Fashion
## 450	450	Mumbai	4338	32	0.9 Books
## 451	451	Mumbai	1253	13	1.6 Mobiles
## 452	452	Chennai	2305	24	0.7 Laptop & Computers
## 453	453	Mumbai	1626	4	1.7 Laptop & Computers
## 454	454	Mumbai	4797	32	2.5 Books
## 455	455	Mumbai	4326	18	3.8 Books
## 456	456	Chennai	2248	33	2.0 Laptop & Computers
## 457	457	Chennai	1773	6	2.0 Laptop & Computers
## 458	458	Banglore	2676	18	2.1 Men's Fashion
## 459	459	Pune	3948	16	2.0 Women's Fashion
## 460	460	Pune	3175	20	2.3 Men's Fashion
## 461	461	Mumbai	4412	16	1.7 Books
## 462	462	Delhi	3678	5	1.2 Women's Fashion
## 463	463	Mumbai	4183	24	3.6 Women's Fashion
## 464	464	Mumbai	4776	15	3.4 Books
## 465	465	Banglore	3720	18	3.6 Women's Fashion
## 466	466	Mumbai	1650	5	1.4 Laptop & Computers
## 467	467	Delhi	4805	28	2.7 Books

## 468	468	Delhi	1812	19	3.4 Laptop & Computers
## 469	469	Chennai	4415	25	3.1 Books
## 470	470	Banglore	2525	21	3.1 Laptop & Computers
## 471	471	Banglore	3177	16	3.0 Men's Fashion
## 472	472	Banglore	2312	11	2.0 Laptop & Computers
## 473	473	Pune	3020	29	4.7 Men's Fashion
## 474	474	Pune	1370	9	3.6 Mobiles
## 475	475	Mumbai	2071	15	0.4 Laptop & Computers
## 476	476	Chennai	2061	16	3.8 Laptop & Computers
## 477	477	Delhi	4060	5	1.6 Women's Fashion
## 478	478	Pune	2351	7	2.7 Laptop & Computers
## 479	479	Pune	4460	30	1.9 Books
## 480	480	Banglore	3799	15	2.1 Women's Fashion
## 481	481	Banglore	3658	6	4.3 Women's Fashion
## 482	482	Mumbai	3034	14	1.6 Men's Fashion
## 483	483	Banglore	3996	16	4.5 Women's Fashion
## 484	484	Pune	2005	33	3.6 Laptop & Computers
## 485	485	Chennai	1344	8	0.0 Mobiles
## 486	486	Chennai	4378	29	3.5 Books
## 487	487	Mumbai	2887	22	2.9 Men's Fashion
## 488	488	Pune	1602	8	3.3 Laptop & Computers
## 489	489	Chennai	1819	34	0.7 Laptop & Computers
## 490	490	Delhi	4001	4	1.9 Women's Fashion
## 491	491	Banglore	2861	9	4.7 Men's Fashion
## 492	492	Chennai	2268	16	1.1 Laptop & Computers
## 493	493	Delhi	2600	8	0.4 Men's Fashion
## 494	494	Chennai	2779	24	2.7 Men's Fashion
## 495	495	Chennai	3706	26	3.8 Women's Fashion
## 496	496	Pune	2729	19	1.9 Men's Fashion
## 497	497	Mumbai	4160	33	4.8 Women's Fashion
## 498	498	Banglore	1642	4	1.7 Laptop & Computers
## 499	499	Pune	4960	14	3.0 Books
## 500	500	Delhi	4792	33	4.1 Books
## 501	501	Banglore	2756	21	2.4 Men's Fashion
## 502	502	Pune	4390	16	2.3 Books
## 503	503	Chennai	2359	27	2.5 Laptop & Computers
## 504	504	Delhi	3069	25	4.4 Men's Fashion
## 505	505	Mumbai	1312	5	4.0 Mobiles
## 506	506	Mumbai	3132	4	2.5 Men's Fashion
## 507	507	Mumbai	2960	8	1.3 Men's Fashion
## 508	508	Delhi	4667	22	4.4 Books
## 509	509	Banglore	4145	19	2.6 Women's Fashion
## 510	510	Pune	2680	9	4.9 Men's Fashion
## 511	511	Delhi	3567	24	3.2 Women's Fashion
## 512	512	Pune	3577	18	3.6 Women's Fashion
## 513	513	Banglore	3790	31	2.6 Women's Fashion
## 514	514	Pune	3231	11	0.7 Men's Fashion
## 515	515	Banglore	4220	8	3.2 Books
## 516	516	Mumbai	2557	19	5.0 Laptop & Computers
## 517	517	Banglore	1916	6	3.6 Laptop & Computers
## 518	518	Pune	2100	22	1.2 Laptop & Computers
## 519	519	Pune	3724	24	1.7 Women's Fashion
## 520	520	Pune	2506	17	2.9 Laptop & Computers
## 521	521	Delhi	4364	28	5.0 Books

## 522	522	Delhi	2358	22	4.9	Laptop & Computers
## 523	523	Chennai	4035	30	4.0	Women's Fashion
## 524	524	Banglore	4920	23	4.7	Books
## 525	525	Pune	2183	29	4.3	Laptop & Computers
## 526	526	Pune	3527	9	4.5	Women's Fashion
## 527	527	Pune	4700	24	0.0	Books
## 528	528	Chennai	4495	4	0.9	Books
## 529	529	Delhi	3415	23	0.4	Women's Fashion
## 530	530	Mumbai	1955	22	1.1	Laptop & Computers
## 531	531	Banglore	1996	5	3.9	Laptop & Computers
## 532	532	Chennai	3879	28	3.7	Women's Fashion
## 533	533	Banglore	4396	6	2.8	Books
## 534	534	Banglore	3598	33	1.9	Women's Fashion
## 535	535	Banglore	3331	32	0.7	Women's Fashion
## 536	536	Banglore	1051	10	3.5	Mobiles
## 537	537	Mumbai	2939	34	4.0	Men's Fashion
## 538	538	Delhi	2040	25	3.4	Laptop & Computers
## 539	539	Delhi	4809	19	4.8	Books
## 540	540	Chennai	3852	29	2.2	Women's Fashion
## 541	541	Banglore	3357	25	3.9	Women's Fashion
## 542	542	Delhi	1723	28	2.9	Laptop & Computers
## 543	543	Banglore	3863	24	4.6	Women's Fashion
## 544	544	Chennai	4386	12	0.2	Books
## 545	545	Mumbai	1395	22	4.1	Laptop & Computers
## 546	546	Banglore	4140	13	1.4	Women's Fashion
## 547	547	Chennai	4647	20	4.1	Books
## 548	548	Banglore	1870	11	4.5	Laptop & Computers
## 549	549	Mumbai	4636	21	4.6	Books
## 550	550	Mumbai	1496	23	1.4	Laptop & Computers
## 551	551	Chennai	1158	29	1.7	Mobiles
## 552	552	Banglore	3089	10	1.7	Men's Fashion
## 553	553	Banglore	2274	24	1.1	Laptop & Computers
## 554	554	Chennai	4975	27	1.5	Books
## 555	555	Delhi	3263	24	4.0	Men's Fashion
## 556	556	Delhi	1409	25	1.9	Laptop & Computers
## 557	557	Delhi	1044	24	4.0	Mobiles
## 558	558	Chennai	4734	27	4.5	Books
## 559	559	Banglore	4970	21	0.9	Books
## 560	560	Chennai	2656	16	4.5	Men's Fashion
## 561	561	Pune	3876	8	1.1	Women's Fashion
## 562	562	Pune	4949	6	4.7	Books
## 563	563	Banglore	2549	8	4.0	Laptop & Computers
## 564	564	Chennai	2139	18	0.4	Laptop & Computers
## 565	565	Banglore	3284	31	4.5	Women's Fashion
## 566	566	Pune	3428	6	3.0	Women's Fashion
## 567	567	Mumbai	2201	34	3.7	Laptop & Computers
## 568	568	Chennai	4168	24	4.2	Women's Fashion
## 569	569	Banglore	1292	19	1.0	Mobiles
## 570	570	Mumbai	1538	31	4.1	Laptop & Computers
## 571	571	Banglore	1967	32	0.4	Laptop & Computers
## 572	572	Chennai	1821	8	2.2	Laptop & Computers
## 573	573	Banglore	2632	8	2.2	Men's Fashion
## 574	574	Pune	3468	10	4.4	Women's Fashion
## 575	575	Banglore	1588	20	3.5	Laptop & Computers

## 576	576	Mumbai	3065	31	4.4	Men's Fashion
## 577	577	Mumbai	3358	23	2.9	Women's Fashion
## 578	578	Pune	2714	23	1.2	Men's Fashion
## 579	579	Chennai	4434	25	1.2	Books
## 580	580	Pune	2007	15	4.7	Laptop & Computers
## 581	581	Chennai	1363	20	3.5	Mobiles
## 582	582	Chennai	1512	17	3.5	Laptop & Computers
## 583	583	Mumbai	3121	8	2.5	Men's Fashion
## 584	584	Delhi	4076	4	1.8	Women's Fashion
## 585	585	Pune	4948	7	3.0	Books
## 586	586	Pune	1573	33	1.0	Laptop & Computers
## 587	587	Banglore	1679	25	2.3	Laptop & Computers
## 588	588	Pune	2957	5	2.8	Men's Fashion
## 589	589	Banglore	4969	11	3.6	Books
## 590	590	Delhi	4411	23	0.9	Books
## 591	591	Pune	1199	19	3.6	Mobiles
## 592	592	Banglore	3338	30	2.4	Women's Fashion
## 593	593	Pune	1726	15	4.6	Laptop & Computers
## 594	594	Delhi	1231	8	0.3	Mobiles
## 595	595	Delhi	1989	31	1.3	Laptop & Computers
## 596	596	Banglore	3606	10	4.9	Women's Fashion
## 597	597	Chennai	3434	23	4.1	Women's Fashion
## 598	598	Mumbai	4671	20	0.1	Books
## 599	599	Delhi	1206	21	3.8	Mobiles
## 600	600	Chennai	3235	34	3.4	Men's Fashion
## 601	601	Chennai	3281	13	1.5	Women's Fashion
## 602	602	Delhi	2837	30	4.6	Men's Fashion
## 603	603	Mumbai	3769	28	2.6	Women's Fashion
## 604	604	Delhi	4489	27	1.5	Books
## 605	605	Mumbai	1267	29	2.0	Mobiles
## 606	606	Banglore	3191	16	3.5	Men's Fashion
## 607	607	Banglore	4629	33	2.4	Books
## 608	608	Pune	2299	12	5.0	Laptop & Computers
## 609	609	Pune	3152	28	1.4	Men's Fashion
## 610	610	Mumbai	3477	32	2.6	Women's Fashion
## 611	611	Chennai	4273	29	0.9	Books
## 612	612	Delhi	1943	17	4.9	Laptop & Computers
## 613	613	Pune	1104	23	2.8	Mobiles
## 614	614	Delhi	2668	16	3.3	Men's Fashion
## 615	615	Mumbai	2211	32	5.0	Laptop & Computers
## 616	616	Banglore	4245	30	4.3	Books
## 617	617	Pune	3718	21	2.3	Women's Fashion
## 618	618	Pune	4109	4	1.9	Women's Fashion
## 619	619	Pune	3234	8	2.8	Men's Fashion
## 620	620	Delhi	2002	30	4.3	Laptop & Computers
## 621	621	Pune	3570	11	2.2	Women's Fashion
## 622	622	Banglore	2897	25	3.2	Men's Fashion
## 623	623	Mumbai	1068	4	4.1	Mobiles
## 624	624	Chennai	2174	22	2.7	Laptop & Computers
## 625	625	Mumbai	4925	8	0.7	Books
## 626	626	Pune	2942	16	4.8	Men's Fashion
## 627	627	Pune	3988	21	2.7	Women's Fashion
## 628	628	Delhi	2955	26	3.5	Men's Fashion
## 629	629	Delhi	2772	33	4.5	Men's Fashion

## 630	630	Pune	2629	22	2.6	Men's Fashion
## 631	631	Chennai	4020	21	4.4	Women's Fashion
## 632	632	Banglore	4951	12	3.3	Books
## 633	633	Chennai	4119	19	4.7	Women's Fashion
## 634	634	Pune	3083	15	3.8	Men's Fashion
## 635	635	Delhi	4107	17	0.2	Women's Fashion
## 636	636	Chennai	1658	4	2.4	Laptop & Computers
## 637	637	Pune	3526	13	2.5	Women's Fashion
## 638	638	Banglore	2418	8	2.6	Laptop & Computers
## 639	639	Mumbai	4983	15	4.6	Books
## 640	640	Pune	2372	33	3.5	Laptop & Computers
## 641	641	Pune	1120	11	2.4	Mobiles
## 642	642	Chennai	4108	9	3.1	Women's Fashion
## 643	643	Mumbai	4262	32	1.4	Books
## 644	644	Chennai	2572	23	4.4	Laptop & Computers
## 645	645	Chennai	2592	11	2.9	Men's Fashion
## 646	646	Mumbai	2880	7	4.0	Men's Fashion
## 647	647	Pune	2582	12	1.7	Men's Fashion
## 648	648	Mumbai	1141	6	3.8	Mobiles
## 649	649	Banglore	3545	20	3.8	Women's Fashion
## 650	650	Banglore	2065	26	0.7	Laptop & Computers
## 651	651	Banglore	3022	11	3.2	Men's Fashion
## 652	652	Pune	2186	33	4.2	Laptop & Computers
## 653	653	Pune	3895	18	3.3	Women's Fashion
## 654	654	Delhi	3222	6	2.9	Men's Fashion
## 655	655	Delhi	2149	13	4.6	Laptop & Computers
## 656	656	Mumbai	2469	18	1.0	Laptop & Computers
## 657	657	Delhi	2726	31	4.7	Men's Fashion
## 658	658	Chennai	2496	13	2.2	Laptop & Computers
## 659	659	Chennai	4670	17	1.2	Books
## 660	660	Banglore	2294	18	1.0	Laptop & Computers
## 661	661	Banglore	1137	18	0.2	Mobiles
## 662	662	Chennai	4185	24	1.6	Women's Fashion
## 663	663	Banglore	1988	21	4.7	Laptop & Computers
## 664	664	Banglore	2313	21	4.8	Laptop & Computers
## 665	665	Banglore	3155	15	3.7	Men's Fashion
## 666	666	Chennai	4219	19	1.1	Women's Fashion
## 667	667	Chennai	4500	12	4.1	Books
## 668	668	Pune	1491	23	0.6	Laptop & Computers
## 669	669	Banglore	1608	12	1.8	Laptop & Computers
## 670	670	Mumbai	1233	17	2.9	Mobiles
## 671	671	Pune	2883	13	3.8	Men's Fashion
## 672	672	Delhi	2095	17	5.0	Laptop & Computers
## 673	673	Pune	3864	15	1.8	Women's Fashion
## 674	674	Banglore	4358	19	1.3	Books
## 675	675	Delhi	1319	12	4.5	Mobiles
## 676	676	Mumbai	1703	8	4.8	Laptop & Computers
## 677	677	Mumbai	2589	31	1.5	Men's Fashion
## 678	678	Mumbai	3157	17	1.5	Men's Fashion
## 679	679	Chennai	2178	34	3.7	Laptop & Computers
## 680	680	Delhi	2141	9	1.2	Laptop & Computers
## 681	681	Mumbai	4565	30	1.9	Books
## 682	682	Banglore	4661	14	4.9	Books
## 683	683	Banglore	3918	14	1.7	Women's Fashion

## 684	684	Delhi	4266	13	2.5	Books
## 685	685	Mumbai	2688	8	0.5	Men's Fashion
## 686	686	Pune	1345	26	2.8	Mobiles
## 687	687	Chennai	2562	26	0.0	Laptop & Computers
## 688	688	Banglore	1558	26	1.7	Laptop & Computers
## 689	689	Chennai	3659	16	1.6	Women's Fashion
## 690	690	Pune	4758	7	0.1	Books
## 691	691	Chennai	2823	16	3.5	Men's Fashion
## 692	692	Delhi	4086	33	4.4	Women's Fashion
## 693	693	Pune	1956	16	0.1	Laptop & Computers
## 694	694	Chennai	3868	16	4.3	Women's Fashion
## 695	695	Delhi	4052	19	2.5	Women's Fashion
## 696	696	Delhi	2704	7	0.4	Men's Fashion
## 697	697	Pune	4397	7	1.2	Books
## 698	698	Banglore	1166	27	3.5	Mobiles
## 699	699	Banglore	4448	29	0.1	Books
## 700	700	Banglore	3150	22	2.2	Men's Fashion
## 701	701	Delhi	3439	34	0.9	Women's Fashion
## 702	702	Chennai	3272	14	3.7	Women's Fashion
## 703	703	Mumbai	3359	27	0.3	Women's Fashion
## 704	704	Mumbai	4050	32	0.8	Women's Fashion
## 705	705	Banglore	4724	28	3.1	Books
## 706	706	Chennai	4126	8	0.0	Women's Fashion
## 707	707	Banglore	2482	24	2.2	Laptop & Computers
## 708	708	Pune	3927	34	4.7	Women's Fashion
## 709	709	Chennai	3070	13	3.5	Men's Fashion
## 710	710	Banglore	3809	8	1.7	Women's Fashion
## 711	711	Chennai	3366	28	3.5	Women's Fashion
## 712	712	Chennai	2017	28	4.2	Laptop & Computers
## 713	713	Chennai	2354	18	3.4	Laptop & Computers
## 714	714	Pune	3946	7	3.8	Women's Fashion
## 715	715	Pune	1751	17	1.4	Laptop & Computers
## 716	716	Chennai	1304	21	0.9	Mobiles
## 717	717	Chennai	2791	13	4.5	Men's Fashion
## 718	718	Pune	3341	5	3.1	Women's Fashion
## 719	719	Chennai	4275	10	0.3	Books
## 720	720	Pune	3025	6	3.3	Men's Fashion
## 721	721	Banglore	3374	19	1.0	Women's Fashion
## 722	722	Banglore	4802	18	2.3	Books
## 723	723	Banglore	4641	30	2.2	Books
## 724	724	Banglore	4808	19	2.1	Books
## 725	725	Chennai	4058	24	3.1	Women's Fashion
## 726	726	Chennai	1530	33	1.3	Laptop & Computers
## 727	727	Delhi	1781	33	4.1	Laptop & Computers
## 728	728	Pune	3221	7	1.2	Men's Fashion
## 729	729	Banglore	4259	34	0.9	Books
## 730	730	Mumbai	2487	28	4.2	Laptop & Computers
## 731	731	Chennai	1335	22	0.1	Mobiles
## 732	732	Banglore	1869	18	3.6	Laptop & Computers
## 733	733	Mumbai	1076	30	0.5	Mobiles
## 734	734	Mumbai	1953	13	4.4	Laptop & Computers
## 735	735	Chennai	1659	21	1.5	Laptop & Computers
## 736	736	Chennai	4062	32	2.3	Women's Fashion
## 737	737	Mumbai	3929	5	3.0	Women's Fashion

## 738	738	Mumbai	4304	22	2.6	Books
## 739	739	Banglore	3617	15	0.3	Women's Fashion
## 740	740	Mumbai	4593	27	2.6	Books
## 741	741	Pune	4899	23	2.7	Books
## 742	742	Pune	1796	32	3.1	Laptop & Computers
## 743	743	Mumbai	4491	30	3.5	Books
## 744	744	Pune	3433	15	3.6	Women's Fashion
## 745	745	Delhi	3275	26	3.2	Women's Fashion
## 746	746	Delhi	1108	4	4.6	Mobiles
## 747	747	Delhi	3923	13	4.6	Women's Fashion
## 748	748	Banglore	4445	31	0.2	Books
## 749	749	Pune	1708	11	4.2	Laptop & Computers
## 750	750	Pune	1460	20	3.4	Laptop & Computers
## 751	751	Mumbai	3467	31	4.5	Women's Fashion
## 752	752	Mumbai	4945	34	0.8	Books
## 753	753	Banglore	2558	7	3.1	Laptop & Computers
## 754	754	Banglore	1713	25	0.2	Laptop & Computers
## 755	755	Mumbai	4817	17	1.4	Books
## 756	756	Pune	3499	30	2.5	Women's Fashion
## 757	757	Delhi	4080	16	1.0	Women's Fashion
## 758	758	Banglore	3591	25	4.9	Women's Fashion
## 759	759	Delhi	4646	5	2.7	Books
## 760	760	Delhi	3787	19	4.4	Women's Fashion
## 761	761	Chennai	2105	10	0.5	Laptop & Computers
## 762	762	Mumbai	1547	6	4.8	Laptop & Computers
## 763	763	Pune	2706	33	3.8	Men's Fashion
## 764	764	Delhi	3274	28	0.3	Women's Fashion
## 765	765	Chennai	2510	29	1.1	Laptop & Computers
## 766	766	Mumbai	3126	30	4.0	Men's Fashion
## 767	767	Mumbai	4732	18	0.5	Books
## 768	768	Mumbai	2119	7	0.0	Laptop & Computers
## 769	769	Pune	4892	28	3.6	Books
## 770	770	Pune	3721	18	0.1	Women's Fashion
## 771	771	Mumbai	3890	32	2.9	Women's Fashion
## 772	772	Delhi	3007	24	4.6	Men's Fashion
## 773	773	Mumbai	3998	16	1.8	Women's Fashion
## 774	774	Banglore	1598	33	1.0	Laptop & Computers
## 775	775	Delhi	1149	12	2.8	Mobiles
## 776	776	Mumbai	1755	21	0.6	Laptop & Computers
## 777	777	Pune	4839	10	4.7	Books
## 778	778	Delhi	4085	30	3.0	Women's Fashion
## 779	779	Banglore	2996	10	3.2	Men's Fashion
## 780	780	Delhi	2593	11	3.4	Men's Fashion
## 781	781	Pune	2147	4	4.0	Laptop & Computers
## 782	782	Pune	3057	27	4.6	Men's Fashion
## 783	783	Pune	1170	14	1.2	Mobiles
## 784	784	Pune	4618	5	3.0	Books
## 785	785	Banglore	2508	33	3.4	Laptop & Computers
## 786	786	Mumbai	3245	18	2.9	Men's Fashion
## 787	787	Delhi	1748	26	5.0	Laptop & Computers
## 788	788	Delhi	2615	14	4.6	Men's Fashion
## 789	789	Pune	1919	19	3.4	Laptop & Computers
## 790	790	Pune	2243	26	2.1	Laptop & Computers
## 791	791	Banglore	4233	29	3.4	Books

## 792	792	Mumbai	3915	34	3.9	Women's Fashion
## 793	793	Chennai	4470	16	0.1	Books
## 794	794	Delhi	1928	29	3.6	Laptop & Computers
## 795	795	Delhi	3926	26	0.7	Women's Fashion
## 796	796	Mumbai	4664	14	0.7	Books
## 797	797	Pune	1618	6	0.7	Laptop & Computers
## 798	798	Delhi	2855	30	0.5	Men's Fashion
## 799	799	Mumbai	1697	20	3.6	Laptop & Computers
## 800	800	Chennai	3402	19	0.0	Women's Fashion
## 801	801	Banglore	1441	20	4.5	Laptop & Computers
## 802	802	Delhi	1237	9	4.6	Mobiles
## 803	803	Pune	2864	15	0.6	Men's Fashion
## 804	804	Chennai	3626	13	4.0	Women's Fashion
## 805	805	Mumbai	2742	10	2.6	Men's Fashion
## 806	806	Delhi	3393	22	4.6	Women's Fashion
## 807	807	Mumbai	2802	33	3.9	Men's Fashion
## 808	808	Chennai	1504	10	3.5	Laptop & Computers
## 809	809	Chennai	2400	22	2.5	Laptop & Computers
## 810	810	Pune	1369	22	3.1	Mobiles
## 811	811	Pune	3924	17	0.5	Women's Fashion
## 812	812	Delhi	4077	17	0.7	Women's Fashion
## 813	813	Delhi	3352	31	1.4	Women's Fashion
## 814	814	Banglore	1230	20	3.2	Mobiles
## 815	815	Delhi	1195	19	3.5	Mobiles
## 816	816	Chennai	3955	19	0.6	Women's Fashion
## 817	817	Banglore	3280	9	0.2	Women's Fashion
## 818	818	Banglore	3036	16	1.7	Men's Fashion
## 819	819	Banglore	3821	29	1.2	Women's Fashion
## 820	820	Pune	1000	23	3.8	Mobiles
## 821	821	Mumbai	2956	26	5.0	Men's Fashion
## 822	822	Chennai	1193	21	4.3	Mobiles
## 823	823	Pune	4221	21	1.2	Books
## 824	824	Mumbai	1413	29	1.9	Laptop & Computers
## 825	825	Chennai	2518	27	4.3	Laptop & Computers
## 826	826	Banglore	2106	29	4.7	Laptop & Computers
## 827	827	Chennai	1266	9	2.0	Mobiles
## 828	828	Chennai	1559	32	3.9	Laptop & Computers
## 829	829	Delhi	4450	28	5.0	Books
## 830	830	Chennai	1736	4	2.0	Laptop & Computers
## 831	831	Chennai	4313	23	4.9	Books
## 832	832	Chennai	2740	21	1.7	Men's Fashion
## 833	833	Mumbai	2401	20	1.7	Laptop & Computers
## 834	834	Mumbai	4695	5	1.8	Books
## 835	835	Mumbai	1546	7	4.7	Laptop & Computers
## 836	836	Delhi	3674	16	3.9	Women's Fashion
## 837	837	Pune	2710	5	3.7	Men's Fashion
## 838	838	Pune	4827	15	5.0	Books
## 839	839	Banglore	4864	29	2.4	Books
## 840	840	Delhi	2973	8	3.7	Men's Fashion
## 841	841	Banglore	2144	16	2.4	Laptop & Computers
## 842	842	Chennai	3018	7	3.0	Men's Fashion
## 843	843	Banglore	4893	5	3.5	Books
## 844	844	Banglore	4217	26	0.3	Women's Fashion
## 845	845	Chennai	1676	13	1.7	Laptop & Computers

## 846	846	Banglore	2799	9	4.1	Men's Fashion
## 847	847	Banglore	4609	7	4.3	Books
## 848	848	Delhi	1228	12	4.1	Mobiles
## 849	849	Banglore	1698	4	3.3	Laptop & Computers
## 850	850	Mumbai	2914	26	4.7	Men's Fashion
## 851	851	Chennai	2472	19	0.1	Laptop & Computers
## 852	852	Chennai	1749	28	2.3	Laptop & Computers
## 853	853	Pune	1174	7	0.7	Mobiles
## 854	854	Banglore	2926	21	1.8	Men's Fashion
## 855	855	Chennai	1936	7	3.3	Laptop & Computers
## 856	856	Delhi	4863	14	2.2	Books
## 857	857	Mumbai	4822	6	2.0	Books
## 858	858	Pune	1942	10	5.0	Laptop & Computers
## 859	859	Chennai	4860	18	1.6	Books
## 860	860	Banglore	2945	13	1.8	Men's Fashion
## 861	861	Banglore	2375	17	2.4	Laptop & Computers
## 862	862	Mumbai	3757	33	0.5	Women's Fashion
## 863	863	Banglore	1135	7	2.0	Mobiles
## 864	864	Pune	4782	5	4.4	Books
## 865	865	Pune	3611	14	4.7	Women's Fashion
## 866	866	Mumbai	4066	27	3.2	Women's Fashion
## 867	867	Mumbai	3144	32	2.8	Men's Fashion
## 868	868	Banglore	1355	26	4.6	Mobiles
## 869	869	Banglore	1518	26	0.9	Laptop & Computers
## 870	870	Mumbai	2745	25	3.3	Men's Fashion
## 871	871	Delhi	4251	23	2.4	Books
## 872	872	Pune	2446	17	4.4	Laptop & Computers
## 873	873	Pune	3226	13	3.8	Men's Fashion
## 874	874	Banglore	1427	16	1.0	Laptop & Computers
## 875	875	Pune	1844	29	0.7	Laptop & Computers
## 876	876	Pune	2981	31	3.5	Men's Fashion
## 877	877	Pune	3607	13	1.4	Women's Fashion
## 878	878	Chennai	2940	14	4.1	Men's Fashion
## 879	879	Banglore	1871	5	1.9	Laptop & Computers
## 880	880	Banglore	2522	8	3.1	Laptop & Computers
## 881	881	Pune	4473	9	5.0	Books
## 882	882	Pune	2681	16	1.9	Men's Fashion
## 883	883	Banglore	4791	19	0.8	Books
## 884	884	Delhi	1337	27	5.0	Mobiles
## 885	885	Chennai	4942	34	2.9	Books
## 886	886	Banglore	3983	30	0.3	Women's Fashion
## 887	887	Banglore	3149	7	2.3	Men's Fashion
## 888	888	Mumbai	3482	30	2.4	Women's Fashion
## 889	889	Chennai	4972	31	1.6	Books
## 890	890	Mumbai	3168	7	2.9	Men's Fashion
## 891	891	Banglore	1421	8	5.0	Laptop & Computers
## 892	892	Pune	2852	4	4.6	Men's Fashion
## 893	893	Mumbai	3712	18	4.5	Women's Fashion
## 894	894	Banglore	2118	18	4.7	Laptop & Computers
## 895	895	Banglore	1867	6	4.1	Laptop & Computers
## 896	896	Banglore	2411	14	0.1	Laptop & Computers
## 897	897	Pune	1593	29	3.2	Laptop & Computers
## 898	898	Pune	1617	6	3.1	Laptop & Computers
## 899	899	Banglore	2057	29	1.9	Laptop & Computers

## 900	900	Banglore	1175	17	2.2	Mobiles
## 901	901	Banglore	3817	12	3.9	Women's Fashion
## 902	902	Chennai	2047	6	0.5	Laptop & Computers
## 903	903	Delhi	4225	18	1.2	Books
## 904	904	Delhi	4778	29	0.6	Books
## 905	905	Delhi	4090	14	1.5	Women's Fashion
## 906	906	Banglore	3913	28	4.6	Women's Fashion
## 907	907	Pune	4608	28	2.8	Books
## 908	908	Banglore	3260	21	1.7	Men's Fashion
## 909	909	Chennai	1567	31	1.1	Laptop & Computers
## 910	910	Delhi	3418	16	2.6	Women's Fashion
## 911	911	Banglore	4738	9	1.1	Books
## 912	912	Banglore	1146	20	2.5	Mobiles
## 913	913	Delhi	3169	10	2.3	Men's Fashion
## 914	914	Mumbai	1709	7	2.7	Laptop & Computers
## 915	915	Banglore	3109	15	0.3	Men's Fashion
## 916	916	Mumbai	2964	12	3.1	Men's Fashion
## 917	917	Delhi	3671	24	2.1	Women's Fashion
## 918	918	Delhi	3995	9	4.2	Women's Fashion
## 919	919	Delhi	2628	4	3.4	Men's Fashion
## 920	920	Mumbai	4566	8	0.7	Books
## 921	921	Chennai	2225	5	0.6	Laptop & Computers
## 922	922	Pune	4990	29	1.9	Books
## 923	923	Pune	1364	33	3.4	Mobiles
## 924	924	Mumbai	1806	18	4.7	Laptop & Computers
## 925	925	Pune	4786	22	1.9	Books
## 926	926	Delhi	1455	14	4.2	Laptop & Computers
## 927	927	Chennai	1782	32	0.1	Laptop & Computers
## 928	928	Mumbai	2719	10	4.1	Men's Fashion
## 929	929	Banglore	3153	23	3.7	Men's Fashion
## 930	930	Mumbai	2311	19	0.9	Laptop & Computers
## 931	931	Chennai	4681	34	3.5	Books
## 932	932	Banglore	3866	4	2.1	Women's Fashion
## 933	933	Pune	3141	6	1.5	Men's Fashion
## 934	934	Banglore	1067	12	1.0	Mobiles
## 935	935	Chennai	4723	18	0.1	Books
## 936	936	Banglore	3256	16	4.4	Men's Fashion
## 937	937	Pune	3589	29	2.3	Women's Fashion
## 938	938	Chennai	4634	26	2.3	Books
## 939	939	Pune	2341	34	2.7	Laptop & Computers
## 940	940	Chennai	4800	6	1.7	Books
## 941	941	Mumbai	4708	33	2.8	Books
## 942	942	Pune	3541	22	4.6	Women's Fashion
## 943	943	Banglore	3361	18	1.9	Women's Fashion
## 944	944	Mumbai	1687	6	4.5	Laptop & Computers
## 945	945	Mumbai	1489	25	3.5	Laptop & Computers
## 946	946	Mumbai	1129	25	1.2	Mobiles
## 947	947	Mumbai	1224	25	0.4	Mobiles
## 948	948	Pune	3719	28	1.7	Women's Fashion
## 949	949	Delhi	1595	6	2.8	Laptop & Computers
## 950	950	Pune	4346	11	5.0	Books
## 951	951	Pune	3237	5	1.4	Men's Fashion
## 952	952	Pune	4713	8	0.6	Books
## 953	953	Delhi	4862	31	4.7	Books

## 954	954	Banglore	1575	11	4.2	Laptop & Computers
## 955	955	Delhi	3511	11	0.0	Women's Fashion
## 956	956	Pune	4691	33	3.2	Books
## 957	957	Banglore	3204	11	4.0	Men's Fashion
## 958	958	Mumbai	2873	9	2.2	Men's Fashion
## 959	959	Mumbai	1633	8	0.1	Laptop & Computers
## 960	960	Chennai	4416	30	1.8	Books
## 961	961	Pune	2943	30	1.0	Men's Fashion
## 962	962	Delhi	3877	4	2.3	Women's Fashion
## 963	963	Pune	4605	17	0.4	Books
## 964	964	Pune	4852	18	0.1	Books
## 965	965	Pune	2219	10	4.4	Laptop & Computers
## 966	966	Mumbai	3453	12	0.5	Women's Fashion
## 967	967	Delhi	3346	30	3.1	Women's Fashion
## 968	968	Banglore	2058	18	1.0	Laptop & Computers
## 969	969	Mumbai	1822	11	1.6	Laptop & Computers
## 970	970	Banglore	4783	7	4.9	Books
## 971	971	Mumbai	4894	29	4.8	Books
## 972	972	Chennai	4481	9	3.2	Books
## 973	973	Mumbai	2455	11	3.9	Laptop & Computers
## 974	974	Delhi	4740	18	2.8	Books
## 975	975	Delhi	4218	23	4.2	Women's Fashion
## 976	976	Banglore	2153	30	1.4	Laptop & Computers
## 977	977	Pune	3873	4	4.8	Women's Fashion
## 978	978	Mumbai	1361	7	2.1	Mobiles
## 979	979	Banglore	1997	10	0.7	Laptop & Computers
## 980	980	Banglore	2417	6	4.4	Laptop & Computers
## 981	981	Delhi	1379	21	3.6	Mobiles
## 982	982	Banglore	2215	16	5.0	Laptop & Computers
## 983	983	Mumbai	1632	10	3.9	Laptop & Computers
## 984	984	Pune	2365	30	0.2	Laptop & Computers
## 985	985	Mumbai	3422	22	0.4	Women's Fashion
## 986	986	Mumbai	1246	15	1.6	Mobiles
## 987	987	Pune	3049	16	3.7	Men's Fashion
## 988	988	Delhi	4223	23	2.0	Books
## 989	989	Mumbai	2239	33	1.7	Laptop & Computers
## 990	990	Mumbai	1983	15	4.0	Laptop & Computers
## 991	991	Chennai	3523	19	2.8	Women's Fashion
## 992	992	Banglore	4628	24	4.2	Books
## 993	993	Chennai	2270	11	4.8	Laptop & Computers
## 994	994	Chennai	4307	22	3.4	Books
## 995	995	Chennai	2454	24	1.0	Laptop & Computers
## 996	996	Delhi	1403	21	0.2	Laptop & Computers
## 997	997	Chennai	2389	21	3.9	Laptop & Computers
## 998	998	Chennai	4554	34	3.7	Books
## 999	999	Delhi	1332	33	4.2	Mobiles
## 1000	1000	Banglore	3641	21	2.2	Women's Fashion
##	MRP	Total				
## 1	11585	10426.50				
## 2	46750	31790.00				
## 3	110687	80801.51				
## 4	78030	53840.70				
## 5	6435	4633.20				
## 6	25489	20391.20				

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## 7      5808   5169.12
## 8      52574   46265.12
## 9      2173    1542.83
## 10     84722   59305.40
## 11     2752    2064.00
## 12     105201   85212.81
## 13     5673    5275.89
## 14     47103   45218.88
## 15     122216   108772.24
## 16     5459    5131.46
## 17     6789    5974.32
## 18     2858    2429.30
## 19     16298   11897.54
## 20     5495    3901.45
## 21     52515   45162.90
## 22     6077    4983.14
## 23     2591    1969.16
## 24     13080   9417.60
## 25     2220    1620.60
## 26     83619   79438.05
## 27     830     597.60
## 28     5090    4377.40
## 29     2518    2039.58
## 30     148933   120635.73
## 31     4395    2988.60
## 32     2100    1848.00
## 33     9539    6486.52
## 34     90520   83278.40
## 35     2483    2334.02
## 36     15202   13985.84
## 37     3746    2509.82
## 38     45704   31078.72
## 39     22484   20910.12
## 40     51426   43197.84
## 41     1967    1337.56
## 42     15309   14237.37
## 43     1488    1324.32
## 44     118706   111583.64
## 45     998     848.30
## 46     5613    4658.79
## 47     117478   88108.50
## 48     14725    9718.50
## 49     62569   50055.20
## 50     2655    2256.75
## 51     2124    1869.12
## 52     1099    835.24
## 53     32990   26062.10
## 54     2988    2420.28
## 55     3003    2162.16
## 56     77104   63996.32
## 57     792     673.20
## 58     10126   9012.14
## 59     996     876.48
## 60     2035   1933.25

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## 61      2996   2636.48
## 62      3803   2548.01
## 63      4680   3650.40
## 64    147074  125012.90
## 65      3055   2596.75
## 66      1887   1698.30
## 67     60277   47016.06
## 68    101206   90073.34
## 69      4480   3987.20
## 70     10622   9028.70
## 71      5991   4792.80
## 72    110628   74120.76
## 73      2287   1783.86
## 74      2256   1556.64
## 75      870    748.20
## 76     2569   1721.23
## 77     6158   4803.24
## 78    117071   92486.09
## 79     1386   1094.94
## 80      868   642.32
## 81     93795   68470.35
## 82   155998  123238.42
## 83     8941   6526.93
## 84     3201   2944.92
## 85     6233   5859.02
## 86     3678   2501.04
## 87      196   174.44
## 88   162936  128719.44
## 89     72527   52219.44
## 90   125488   97880.64
## 91     1181   826.70
## 92     4398   3826.26
## 93   15198   13374.24
## 94     1552   1257.12
## 95      579   445.83
## 96   13441   9274.29
## 97     1782   1532.52
## 98     1310   1113.50
## 99     7992   7672.32
## 100    2203   1828.49
## 101    1334   1000.50
## 102    2607   1798.83
## 103    1113   1001.70
## 104   138731  102660.94
## 105   112651   81108.72
## 106    1943   1593.26
## 107    4875   4290.00
## 108    3896   3155.76
## 109   133137  121154.67
## 110    5289   4918.77
## 111   42917   36050.28
## 112   72793   56050.61
## 113    4270   2860.90
## 114   114945  102301.05

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## 115 158319 142487.10
## 116    2259   2010.51
## 117    1301    871.67
## 118   16929   13881.78
## 119   24143   18590.11
## 120   64003   44162.07
## 121    5885   5178.80
## 122 115561 109782.95
## 123    3067   2116.23
## 124 30561 29338.56
## 125    3730   2536.40
## 126    7354   5515.50
## 127    1032    753.36
## 128     990   772.20
## 129    6214   4474.08
## 130 11431 7544.46
## 131    9376  7032.00
## 132    2953  2037.57
## 133    1143  1017.27
## 134 157109 124116.11
## 135    3452  3175.84
## 136    1538  1353.44
## 137 115892 91554.68
## 138 159683 138924.21
## 139 115073 90907.67
## 140 109912 75839.28
## 141    91289  84898.77
## 142    1217  1143.98
## 143 113494 87390.38
## 144 124075 115389.75
## 145    4604  3453.00
## 146 140207 98144.90
## 147    8410  7569.00
## 148    1433  988.77
## 149     842  783.06
## 150    5720  3832.40
## 151    2233  2143.68
## 152    30896 21318.24
## 153    1939  1745.10
## 154    48485 32000.10
## 155     794  531.98
## 156 162562 149557.04
## 157    12791  8825.79
## 158    3145  2893.40
## 159    3182  2609.24
## 160    3858  3086.40
## 161    1399  937.33
## 162    1282  1166.62
## 163    50356 43306.16
## 164     761  624.02
## 165    5455  4909.50
## 166    63605 41979.30
## 167    53419 50213.86
## 168   14684 11453.52

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## 169 161035 123996.95
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## 171    1805  1281.55
## 172 140420 123569.60
## 173    43425  31266.00
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## 175    11411  10269.90
## 176    1830   1281.00
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## 178    4787   4212.56
## 179    12260  10298.40
## 180 100691  94649.54
## 181    37674  25995.06
## 182    77797  73129.18
## 183    6635   5175.30
## 184    59106  43738.44
## 185    2713   2333.18
## 186    3696   2698.08
## 187 149653 104757.10
## 188    96602  89839.86
## 189      680   578.00
## 190 101205  85012.20
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## 192    62212  47903.24
## 193    1584   1298.88
## 194    45541  37343.62
## 195      3897  2844.81
## 196    2273   1863.86
## 197    2838   2185.26
## 198    6202   5519.78
## 199    43527  30033.63
## 200    64912  53876.96
## 201    4946   4500.86
## 202    3766   2560.88
## 203    6219   5037.39
## 204 154506 108154.20
## 205    86232  57775.44
## 206    1049   828.71
## 207    44550  31630.50
## 208    20448  17789.76
## 209    2105   1978.70
## 210 117993  92034.54
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## 212      395   296.25
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## 214    85947  76492.83
## 215    1204   1107.68
## 216    11447  10874.65
## 217      6745  6003.05
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## 219      7431  5944.80
## 220    15266  12365.46
## 221      2765  1852.55
## 222 130213  85940.58

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## 223 51794 46096.66
## 224 4889 3471.19
## 225 8149 7008.14
## 226 42456 33115.68
## 227 86832 57309.12
## 228 147577 122488.91
## 229 786 542.34
## 230 171 116.28
## 231 28937 23728.34
## 232 2015 1773.20
## 233 635 577.85
## 234 95889 69998.97
## 235 97151 79663.82
## 236 3095 2754.55
## 237 55787 45187.47
## 238 134329 90000.43
## 239 4189 2764.74
## 240 6741 5123.16
## 241 1147 894.66
## 242 276 226.32
## 243 5651 4972.88
## 244 2094 1926.48
## 245 85944 81646.80
## 246 2328 1559.76
## 247 98004 90163.68
## 248 6087 5295.69
## 249 89005 81884.60
## 250 16191 15381.45
## 251 3209 2150.03
## 252 4436 3105.20
## 253 6237 4365.90
## 254 88694 69181.32
## 255 2149 1805.16
## 256 3035 2185.20
## 257 9477 6349.59
## 258 10421 6877.86
## 259 938 675.36
## 260 1562 1358.94
## 261 3910 3284.40
## 262 128461 107907.24
## 263 7146 5359.50
## 264 2520 1915.20
## 265 40042 30832.34
## 266 5582 4298.14
## 267 82489 54442.74
## 268 367 242.22
## 269 60115 48092.00
## 270 4066 3008.84
## 271 14307 9871.83
## 272 6028 4822.40
## 273 5528 4146.00
## 274 115868 79948.92
## 275 3490 2861.80
## 276 1333 1039.74

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## 277      2262    1741.74
## 278      24435   19548.00
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## 280     142271   105280.54
## 281      3742    3292.96
## 282      1826    1223.42
## 283      3359    2687.20
## 284     15747    14014.83
## 285     116814   96955.62
## 286      2519    2065.58
## 287      207     136.62
## 288     156105   112395.60
## 289     146922   121945.26
## 290      5619    3933.30
## 291      4345    4171.20
## 292      3525    3102.00
## 293     14180    12336.60
## 294     40831    29806.63
## 295      8028    6663.24
## 296     39338    31470.40
## 297     31367    22270.57
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## 299      2886    2251.08
## 300     59665    47135.35
## 301      5622    4497.60
## 302     14233    13379.02
## 303      8631    7250.04
## 304      5220    4541.40
## 305      2927    2341.60
## 306     14779    12266.57
## 307     17445    11513.70
## 308     11640    8497.20
## 309     22117    20789.98
## 310      3797    3417.30
## 311      3065    2881.10
## 312     11079    10414.26
## 313     153019   143837.86
## 314     140134   106501.84
## 315      44152   37529.20
## 316     41766    28818.54
## 317      1004    963.84
## 318      3509    2315.94
## 319     115570   82054.70
## 320     81352    68335.68
## 321      2700    2403.00
## 322     84594    65983.32
## 323     93585    73932.15
## 324     74116    48916.56
## 325     16927    15911.38
## 326      2004    1703.40
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## 328     14047    9832.90
## 329      4025    3300.50
## 330     1947    1849.65

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## 331      5568    3674.88
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## 333      3377    2262.59
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## 336     73182   68791.08
## 337      6320    4297.60
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## 339     59909   57512.64
## 340      3748    2923.44
## 341    105995   85855.95
## 342   125673  115619.16
## 343      6829    5326.62
## 344     11887   9271.86
## 345      5800    4988.00
## 346      1043    959.56
## 347     51174   36845.28
## 348      5397    3669.96
## 349      5614    4491.20
## 350     46791   43047.72
## 351     10670   9282.90
## 352     42824   33402.72
## 353     74505   70034.70
## 354     12346   8642.20
## 355     12851   10023.78
## 356     77253   65665.05
## 357      4496    3237.12
## 358     47856   36849.12
## 359   139711  131328.34
## 360      2831    2179.87
## 361     16169   12935.20
## 362      2379    1879.41
## 363      3489    2826.09
## 364     16975   16296.00
## 365   113947   94576.01
## 366   115739   97220.76
## 367      3706    3261.28
## 368     55090   49581.00
## 369      1629    1498.68
## 370      1352    1297.92
## 371      2696    1914.16
## 372     71899   49610.31
## 373      2584    2428.96
## 374   159683  143714.70
## 375     68550   55525.50
## 376     60077   51666.22
## 377     63906   61349.76
## 378      220     189.20
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## 380      1739    1199.91
## 381     54907   44474.67
## 382     60970   48166.30
## 383   121276  103084.60
## 384   30342   22149.66

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```

## 385      8181    7362.90
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## 387    89250   68722.50
## 388      5665    3795.55
## 389      5582    4577.24
## 390      1195    1111.35
## 391  155941  120074.57
## 392     10980    8784.00
## 393    99103   77300.34
## 394  107040   96336.00
## 395      4839    3967.98
## 396       806     677.04
## 397      3107    2765.23
## 398    13971   12294.48
## 399      6344    5392.40
## 400    37955   29984.45
## 401      2597    1739.99
## 402      3779    2758.67
## 403  134375  100781.25
## 404       991     703.61
## 405       707     494.90
## 406  115644   95984.52
## 407    63881   51743.61
## 408    78547   53411.96
## 409  133565  126886.75
## 410      2413    2051.05
## 411    10092    7266.24
## 412      5802    4351.50
## 413      1062    945.18
## 414  148103  117001.37
## 415     15108   13899.36
## 416    98450   69899.50
## 417       742     623.28
## 418      1378    1226.42
## 419      2126    1573.24
## 420      3397    2887.45
## 421  139598  124242.22
## 422      4574    3384.76
## 423      4451    3026.68
## 424    85815   77233.50
## 425       895     724.95
## 426       930     874.20
## 427    95984   71988.00
## 428      9097    8460.21
## 429    15222   10959.84
## 430      2536    1952.72
## 431    73301   48378.66
## 432    93016   63250.88
## 433      3276    2850.12
## 434  145686  131117.40
## 435     10211    7351.92
## 436     33727   24620.71
## 437  159698  145325.18
## 438      5738    4475.64

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## 439      803    746.79
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## 441     3414   2731.20
## 442    60588   55740.96
## 443    44865   30956.85
## 444    88048   58992.16
## 445      237    173.01
## 446     1343    940.10
## 447    7281    6771.33
## 448     2111   1456.59
## 449   11879    7840.14
## 450     2124   1444.32
## 451   33204   28887.48
## 452   56019   42574.44
## 453  147398  141502.08
## 454     2252   1531.36
## 455     3276   2686.32
## 456  135264   90626.88
## 457   43621   41003.74
## 458     6213   5094.66
## 459   15570   13078.80
## 460     6167   4933.60
## 461     289    242.76
## 462     3807   3616.65
## 463     4527   3440.52
## 464     3431   2916.35
## 465   14559   11938.38
## 466   63455   60282.25
## 467     1751   1260.72
## 468  147732  119662.92
## 469     2714   2035.50
## 470  126472  99912.88
## 471     1885   1583.40
## 472  129333  115106.37
## 473     4554   3233.34
## 474   16340   14869.40
## 475  163946  139354.10
## 476     87647   73623.48
## 477     7917   7521.15
## 478   94113   87525.09
## 479     306    214.20
## 480   12076   10264.60
## 481   13975   13136.50
## 482     2012   1730.32
## 483   12269   10305.96
## 484  109982   73687.94
## 485   29235   26896.20
## 486     660    468.60
## 487     4497   3507.66
## 488   41328   38021.76
## 489  128206   84615.96
## 490   11755   11284.80
## 491     4758   4329.78
## 492   45098   37882.32

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## 493    5114   4704.88
## 494    5498   4178.48
## 495    6384   4724.16
## 496    1877   1520.37
## 497    8807   5900.69
## 498  135592  130168.32
## 499    2328   2002.08
## 500    3087   2068.29
## 501    3965   3132.35
## 502    1857   1559.88
## 503  108193  78980.89
## 504    1257   942.75
## 505  50479   47955.05
## 506    2522   2421.12
## 507    3785   3482.20
## 508    1125   877.50
## 509  11759   9524.79
## 510    4632   4215.12
## 511    2403   1826.28
## 512  15564   12762.48
## 513  13153   9075.57
## 514    6069   5401.41
## 515    2319   2133.48
## 516  129383  104800.23
## 517  150641  141602.54
## 518  146852  114544.56
## 519    12777   9710.52
## 520  50769   42138.27
## 521    3096   2229.12
## 522    80768   62999.04
## 523  15353   10747.10
## 524    3509   2701.93
## 525  118589  84198.19
## 526    10245   9322.95
## 527    3115   2367.40
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## 529    9642   7424.34
## 530  87942   68594.76
## 531  114002  108301.90
## 532    2724   1961.28
## 533    2543   2390.42
## 534    1741   1166.47
## 535    10648   7240.64
## 536  34633   31169.70
## 537    5325   3514.50
## 538  162100  121575.00
## 539    3428   2776.68
## 540    4139   2938.69
## 541    10378   7783.50
## 542  107500  77400.00
## 543  13063   9927.88
## 544    1122   987.36
## 545  150653  117509.34
## 546    11820   10283.40

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```
## 547      2746    2196.80
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## 549      3458    2731.82
## 550    144291   111104.07
## 551     14551    10331.21
## 552      4014    3612.60
## 553    149271   113445.96
## 554      2602    1899.46
## 555      4903    3726.28
## 556    117746   88309.50
## 557    19995    15196.20
## 558       629    459.17
## 559     2636    2082.44
## 560     5308    4458.72
## 561     2257    2076.44
## 562      882    829.08
## 563   129610   119241.20
## 564     76454    62692.28
## 565     16763   11566.47
## 566     16721   15717.74
## 567   122943   81142.38
## 568      3486    2649.36
## 569     56698   45925.38
## 570     39273   27098.37
## 571     51413   34960.84
## 572   140852   129583.84
## 573      1818    1672.56
## 574      9592    8632.80
## 575   129832   103865.60
## 576      3589    2476.41
## 577      6802    5237.54
## 578      4791    3689.07
## 579      3167    2375.25
## 580     41244   35057.40
## 581     35200   28160.00
## 582     50880   42230.40
## 583      5942    5466.64
## 584     15044   14442.24
## 585       339    315.27
## 586   136811   91663.37
## 587   111475   83606.25
## 588      5714    5428.30
## 589      3651    3249.39
## 590      3715    2860.55
## 591     28475   23064.75
## 592      9819    6873.30
## 593     89397   75987.45
## 594     11713   10775.96
## 595   144192   99492.48
## 596     15389   13850.10
## 597      1140    877.80
## 598       406    324.80
## 599     30838   24362.02
## 600     3092    2040.72
```

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## 601    10693   9302.91
## 602     5299   3709.30
## 603    2099   1511.28
## 604      538    392.74
## 605   63171  44851.41
## 606    3776   3171.84
## 607    2521   1689.07
## 608   94538  83193.44
## 609    3654   2630.88
## 610   15267  10381.56
## 611    2205   1565.55
## 612  163975 136099.25
## 613    23796  18322.92
## 614    6313   5302.92
## 615   90513  61548.84
## 616    3589   2512.30
## 617    8065   6371.35
## 618    8046   7724.16
## 619    5354   4925.68
## 620   37735  26414.50
## 621    3997   3557.33
## 622    1257    942.75
## 623   24784  23792.64
## 624   93349  72812.22
## 625      715    657.80
## 626    3373   2833.32
## 627    2409   1903.11
## 628    1437   1063.38
## 629    1552   1039.84
## 630    2672   2084.16
## 631    1843   1455.97
## 632    2187   1924.56
## 633   10978   8892.18
## 634    1660   1411.00
## 635    9567   7940.61
## 636  143438 137700.48
## 637    2498   2173.26
## 638  125326 115299.92
## 639    3374   2867.90
## 640   58177   38978.59
## 641   20759   18475.51
## 642     5544   5045.04
## 643      343    233.24
## 644   82991   63903.07
## 645     1109    987.01
## 646     5737   5335.41
## 647     4066   3578.08
## 648   58096   54610.24
## 649    10266   8212.80
## 650  164110 121441.40
## 651     3145   2799.05
## 652  154753 103684.51
## 653     6939   5689.98
## 654     5150   4841.00

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## 655    93385  81244.95
## 656   164435 134836.70
## 657     6241   4306.29
## 658   43321   37689.27
## 659      596   494.68
## 660   89542   73424.44
## 661   50566   41464.12
## 662   6735    5118.60
## 663 112249   88676.71
## 664   52728   41655.12
## 665    2380   2023.00
## 666 14521    11762.01
## 667    3494   3074.72
## 668 159385 122726.45
## 669 162862 143318.56
## 670   25865   21467.95
## 671    3219   2800.53
## 672   66092   54856.36
## 673 14839    12613.15
## 674    2881   2333.61
## 675 32442    28548.96
## 676 152280 140097.60
## 677    1316   908.04
## 678    3814   3165.62
## 679 152744 100811.04
## 680 125832 114507.12
## 681    1216   851.20
## 682     924   794.64
## 683    1282   1102.52
## 684    3740   3253.80
## 685    3789   3485.88
## 686 16621    12299.54
## 687 86718    64171.32
## 688 69911    51734.14
## 689     845   709.80
## 690    2338   2174.34
## 691    3795   3187.80
## 692    5504   3687.68
## 693 92356    77579.04
## 694    6759   5677.56
## 695    7466   6047.46
## 696    3694   3435.42
## 697    1797   1671.21
## 698 16416    11983.68
## 699    1665   1182.15
## 700    5159   4024.02
## 701    9697   6400.02
## 702    2181   1875.66
## 703    5250   3832.50
## 704 16990    11553.20
## 705     951   684.72
## 706 10610    9761.20
## 707 130202   98953.52
## 708 14298    9436.68

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## 709      6253    5440.11
## 710      8131    7480.52
## 711      3565    2566.80
## 712    118986   85669.92
## 713    114783   94122.06
## 714     11147    10366.71
## 715   123449   102462.67
## 716     50188   39648.52
## 717      1257    1093.59
## 718      3240    3078.00
## 719      2530    2277.00
## 720      1386    1302.84
## 721    13476    10915.56
## 722      298     244.36
## 723      393     275.10
## 724     2888    2339.28
## 725     5390    4096.40
## 726   130717   87580.39
## 727   155310   104057.70
## 728      2183   2030.19
## 729      623     411.18
## 730   141910   102175.20
## 731     29683   23152.74
## 732   122514   100461.48
## 733     55574   38901.80
## 734     86162   74960.94
## 735   108574   85773.46
## 736      7672   5216.96
## 737   16022    15220.90
## 738     2212   1725.36
## 739     6014   5111.90
## 740     2622   1914.06
## 741     2515   1936.55
## 742     93966   63896.88
## 743      991    693.70
## 744     7478   6356.30
## 745     2817   2084.58
## 746     41273   39622.08
## 747     2154   1873.98
## 748     2428   1675.32
## 749     91400   81346.00
## 750   152048   121638.40
## 751     13984   9648.96
## 752     1586   1046.76
## 753   124230   115533.90
## 754   140031   105023.25
## 755     1534   1273.22
## 756     3121   2184.70
## 757      945    793.80
## 758     12810   9607.50
## 759     2218   2107.10
## 760     10855   8792.55
## 761   111710   100539.00
## 762   128344   120643.36

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## 763      1969    1319.23
## 764     12247    8817.84
## 765     46645   33117.95
## 766      1102     771.40
## 767     1558    1277.56
## 768    115155  107094.15
## 769      3501    2520.72
## 770      3340    2738.80
## 771      2967    2017.56
## 772      6061    4606.36
## 773      8309    6979.56
## 774     57677   38643.59
## 775     14278   12564.64
## 776     94535   74682.65
## 777     1417    1275.30
## 778      5155    3608.50
## 779      4685    4216.50
## 780      6277    5586.53
## 781     72862   69947.52
## 782      3199    2335.27
## 783     40214   34584.04
## 784      354     336.30
## 785     45452   30452.84
## 786      3723    3052.86
## 787     70392   52090.08
## 788     1451    1247.86
## 789     99522   80612.82
## 790    138019  102134.06
## 791      3219    2285.49
## 792     4473    2952.18
## 793      3575    3003.00
## 794     48965   34765.15
## 795     15760   11662.40
## 796     3612    3106.32
## 797    120307  113088.58
## 798      2031    1421.70
## 799     87865   70292.00
## 800      2466    1997.46
## 801     95883   76706.40
## 802     38652   35173.32
## 803     1743    1481.55
## 804     9548    8306.76
## 805      3555    3199.50
## 806      1047    816.66
## 807      5811    3893.37
## 808    149175  134257.50
## 809     59654   46530.12
## 810     49497   38607.66
## 811     1634    1356.22
## 812     1952    1620.16
## 813     8421    5810.49
## 814     58319   46655.20
## 815     34535   27973.35
## 816     10946   8866.26

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## 817    12864  11706.24
## 818     3824   3212.16
## 819    16253  11539.63
## 820    41889  32254.53
## 821     1292   956.08
## 822    58110  45906.90
## 823     2182  1723.78
## 824    44634  31690.14
## 825   148062 108085.26
## 826    60255  42781.05
## 827   40043  36439.13
## 828  149041 101347.88
## 829      961   691.92
## 830   39258  37687.68
## 831    2042  1572.34
## 832    2146  1695.34
## 833   90794  72635.20
## 834    2837  2695.15
## 835   52579  48898.47
## 836    1566  1315.44
## 837    2950  2802.50
## 838    2099  1784.15
## 839    2168  1539.28
## 840    5101  4692.92
## 841   37508  31506.72
## 842    5171  4809.03
## 843    1882  1787.90
## 844    5993  4434.82
## 845   95730  83285.10
## 846    4692  4269.72
## 847     319   296.67
## 848   50563  44495.44
## 849  125758 120727.68
## 850     3013   2229.62
## 851  128052 103722.12
## 852    73557  52961.04
## 853   62952  58545.36
## 854    2942  2324.18
## 855   67402  62683.86
## 856    2110  1814.60
## 857      777   730.38
## 858  113884 102495.60
## 859     1964  1610.48
## 860     1134   986.58
## 861  125763 104383.29
## 862     1031   690.77
## 863   50908  47344.44
## 864    2960  2812.00
## 865     8959  7704.74
## 866   10283  7506.59
## 867     1437  977.16
## 868   56664  41931.36
## 869   41572  30763.28
## 870     5170  3877.50

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## 871      906    697.62
## 872  159198 132134.34
## 873     2964   2578.68
## 874  159612 134074.08
## 875  146631 104108.01
## 876     3922   2706.18
## 877     9180   7986.60
## 878     4183   3597.38
## 879  156517 148691.15
## 880  163106 150057.52
## 881     3259   2965.69
## 882     6116   5137.44
## 883     1212   981.72
## 884   63547   46389.31
## 885     375    247.50
## 886     1677   1173.90
## 887     1614   1501.02
## 888  15816   11071.20
## 889     1606   1108.14
## 890     1412   1313.16
## 891   65499   60259.08
## 892     3705   3556.80
## 893     3820   3132.40
## 894  119809  98243.38
## 895   41622   39124.68
## 896  122774  105585.64
## 897   45323   32179.33
## 898  130227 122413.38
## 899  124408  88329.68
## 900   48916   40600.28
## 901     9027   7943.76
## 902   44105   41458.70
## 903     2810   2304.20
## 904     3784   2686.64
## 905   13173   11328.78
## 906   15458   11129.76
## 907     987    710.64
## 908     1338   1057.02
## 909   78242   53986.98
## 910     4178   3509.52
## 911   2514    2287.74
## 912   10479   8383.20
## 913     4166   3749.40
## 914  140477 130643.61
## 915     870    739.50
## 916   3060   2692.80
## 917     1074   816.24
## 918   13005   11834.55
## 919     5170   4963.20
## 920     630    579.60
## 921  130027 123525.65
## 922     1094   776.74
## 923   61436   41162.12
## 924  125021 102517.22

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## 925      3690    2878.20
## 926    124664   107211.04
## 927     81973    55741.64
## 928     3445     3100.50
## 929     5152     3967.04
## 930    78205    63346.05
## 931     3656     2412.96
## 932     8093     7769.28
## 933     1473     1384.62
## 934    52822    46483.36
## 935     2394     1963.08
## 936      930     781.20
## 937     5068     3598.28
## 938     1458     1078.92
## 939   158245   104441.70
## 940     3652     3432.88
## 941      265     177.55
## 942    10706     8350.68
## 943     4162     3412.84
## 944    70743    66498.42
## 945   111865    83898.75
## 946    51370    38527.50
## 947    48470    36352.50
## 948    11241    8093.52
## 949   119484   112314.96
## 950     3706     3298.34
## 951     2783     2643.85
## 952     2566     2360.72
## 953      481     331.89
## 954    68451    60921.39
## 955   15902    14152.78
## 956     1190     797.30
## 957    3229    2873.81
## 958     1633     1486.03
## 959   91141    83849.72
## 960     1367     956.90
## 961     5745    4021.50
## 962     5281     5069.76
## 963     2293    1903.19
## 964     1075     881.50
## 965    95986    86387.40
## 966     5313     4675.44
## 967     1503    1052.10
## 968   133902   109799.64
## 969   106781    95035.09
## 970     1453    1351.29
## 971     932     661.72
## 972     2970    2702.70
## 973   101516    90349.24
## 974     2023    1658.86
## 975   16386    12617.22
## 976   140954    98667.80
## 977     1090    1046.40
## 978   52388    48720.84

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## 979 131960 118764.00
## 980 101188 95116.72
## 981 40660 32121.40
## 982 118289 99362.76
## 983 122163 109946.70
## 984 74256 51979.20
## 985 13320 10389.60
## 986 29043 24686.55
## 987 1279 1074.36
## 988 3077 2369.29
## 989 141105 94540.35
## 990 73353 62350.05
## 991 8613 6976.53
## 992 2811 2136.36
## 993 54804 48775.56
## 994 2767 2158.26
## 995 114375 86925.00
## 996 68845 54387.55
## 997 112731 89057.49
## 998 2941 1941.06
## 999 18682 12516.94
## 1000 13242 10461.18

```

10. Create a column Review Description. Review Description has the following categories - “Excellent” if review is 4.5 - 5.0 “Good” if review is 3.5 - 4.4 “Neutral” if review is 2.9- 3.4 “Poor” if review is 1.5 - 2.8 “Very Poor” if review is 0.0 - 1.4

```
amazon_reviews$Review.Description <- ifelse(amazon_reviews$Review<1.5, "Very Poor", ifelse(amazon_reviews$Review>=1.5 & amazon_reviews$Review<2.8, "Poor", ifelse(amazon_reviews$Review>=2.8 & amazon_reviews$Review<3.5, "Neutral", ifelse(amazon_reviews$Review>=3.5 & amazon_reviews$Review<4.4, "Good", ifelse(amazon_reviews$Review>=4.4 & amazon_reviews$Review<5.0, "Excellent", "Very Poor"))))
```

##	Serial.No	Delivery.Location	Product.ID	Discount	Review	Category
## 1	1	Mumbai	3694	10	0.6	Women's Fashion
## 2	2	Chennai	1476	32	2.8	Laptop & Computers
## 3	3	Delhi	2559	27	2.3	Laptop & Computers
## 4	4	Delhi	2467	31	2.4	Laptop & Computers
## 5	5	Delhi	4120	28	4.8	Women's Fashion
## 6	6	Banglore	1071	20	0.7	Mobiles
## 7	7	Pune	2640	11	4.0	Men's Fashion
## 8	8	Chennai	1281	12	2.5	Mobiles
## 9	9	Delhi	3106	29	1.5	Men's Fashion
## 10	10	Pune	2013	30	3.5	Laptop & Computers
## 11	11	Delhi	4343	25	0.0	Books
## 12	12	Chennai	2379	19	0.7	Laptop & Computers
## 13	13	Banglore	2728	7	0.2	Men's Fashion
## 14	14	Pune	1519	4	4.0	Laptop & Computers
## 15	15	Mumbai	2474	11	4.3	Laptop & Computers
## 16	16	Delhi	3600	6	2.3	Women's Fashion
## 17	17	Banglore	3667	12	4.2	Women's Fashion
## 18	18	Delhi	3583	15	4.6	Women's Fashion
## 19	19	Pune	3745	27	3.3	Women's Fashion
## 20	20	Mumbai	3666	29	2.4	Women's Fashion
## 21	21	Delhi	1878	14	1.0	Laptop & Computers
## 22	22	Mumbai	2972	18	4.7	Men's Fashion

## 23	23	Mumbai	2912	24	4.7	Men's Fashion
## 24	24	Pune	3743	28	4.0	Women's Fashion
## 25	25	Mumbai	4297	27	2.8	Books
## 26	26	Mumbai	1664	5	0.4	Laptop & Computers
## 27	27	Chennai	2994	28	0.2	Men's Fashion
## 28	28	Mumbai	3159	14	3.6	Men's Fashion
## 29	29	Mumbai	4311	19	2.9	Books
## 30	30	Chennai	1700	19	0.3	Laptop & Computers
## 31	31	Pune	3408	32	4.4	Women's Fashion
## 32	32	Chennai	4228	12	2.8	Books
## 33	33	Delhi	3564	32	0.3	Women's Fashion
## 34	34	Chennai	2282	8	3.9	Laptop & Computers
## 35	35	Delhi	2892	6	0.2	Men's Fashion
## 36	36	Mumbai	1093	8	1.1	Mobiles
## 37	37	Banglore	3051	33	4.5	Men's Fashion
## 38	38	Delhi	2564	32	4.8	Laptop & Computers
## 39	39	Chennai	1131	7	1.1	Mobiles
## 40	40	Delhi	1295	16	0.8	Mobiles
## 41	41	Banglore	4714	32	2.0	Books
## 42	42	Delhi	3349	7	1.7	Women's Fashion
## 43	43	Pune	4509	11	4.7	Books
## 44	44	Chennai	2342	6	1.3	Laptop & Computers
## 45	45	Chennai	4696	15	1.1	Books
## 46	46	Pune	2931	17	3.9	Men's Fashion
## 47	47	Chennai	1648	25	0.8	Laptop & Computers
## 48	48	Delhi	3452	34	0.1	Women's Fashion
## 49	49	Pune	1273	20	0.8	Mobiles
## 50	50	Chennai	4631	15	1.8	Books
## 51	51	Pune	2784	12	1.1	Men's Fashion
## 52	52	Pune	4789	24	1.1	Books
## 53	53	Banglore	1011	21	0.6	Mobiles
## 54	54	Banglore	4047	19	1.8	Women's Fashion
## 55	55	Banglore	4848	28	3.9	Books
## 56	56	Mumbai	1513	17	3.9	Laptop & Computers
## 57	57	Pune	4464	15	4.3	Books
## 58	58	Mumbai	4197	11	4.8	Women's Fashion
## 59	59	Banglore	4602	12	5.0	Books
## 60	60	Delhi	4467	5	3.1	Books
## 61	61	Pune	4787	12	1.0	Books
## 62	62	Pune	2798	33	2.9	Men's Fashion
## 63	63	Banglore	3322	22	1.8	Women's Fashion
## 64	64	Delhi	2319	15	1.7	Laptop & Computers
## 65	65	Chennai	4937	15	1.7	Books
## 66	66	Chennai	4883	10	2.3	Books
## 67	67	Pune	1829	22	1.7	Laptop & Computers
## 68	68	Chennai	1818	11	0.4	Laptop & Computers
## 69	69	Delhi	2851	11	3.4	Men's Fashion
## 70	70	Chennai	3655	15	2.8	Women's Fashion
## 71	71	Delhi	2738	20	0.7	Men's Fashion
## 72	72	Delhi	1925	33	4.9	Laptop & Computers
## 73	73	Chennai	4938	22	1.8	Books
## 74	74	Mumbai	4665	31	4.1	Books
## 75	75	Chennai	4857	14	0.8	Books
## 76	76	Chennai	3486	33	4.7	Women's Fashion

## 77	77	Chennai	3135	22	1.9	Men's Fashion
## 78	78	Delhi	2425	21	1.0	Laptop & Computers
## 79	79	Banglore	4831	21	1.1	Books
## 80	80	Chennai	4780	26	3.2	Books
## 81	81	Delhi	1930	27	1.3	Laptop & Computers
## 82	82	Mumbai	2415	21	2.1	Laptop & Computers
## 83	83	Pune	3289	27	0.6	Women's Fashion
## 84	84	Delhi	4832	8	2.4	Books
## 85	85	Chennai	3834	6	4.6	Women's Fashion
## 86	86	Banglore	4992	32	4.0	Books
## 87	87	Mumbai	4241	11	1.5	Books
## 88	88	Delhi	1623	21	0.5	Laptop & Computers
## 89	89	Banglore	2235	28	0.3	Laptop & Computers
## 90	90	Banglore	1827	22	4.4	Laptop & Computers
## 91	91	Banglore	2866	30	1.9	Men's Fashion
## 92	92	Chennai	3827	13	2.9	Women's Fashion
## 93	93	Chennai	4104	12	3.9	Women's Fashion
## 94	94	Pune	3709	19	0.6	Women's Fashion
## 95	95	Chennai	4579	23	3.9	Books
## 96	96	Chennai	3886	31	1.4	Women's Fashion
## 97	97	Pune	2718	14	1.9	Men's Fashion
## 98	98	Chennai	3392	15	2.7	Women's Fashion
## 99	99	Chennai	3798	4	0.8	Women's Fashion
## 100	100	Delhi	2832	17	0.1	Men's Fashion
## 101	101	Chennai	3767	25	3.2	Women's Fashion
## 102	102	Mumbai	4781	31	2.8	Books
## 103	103	Chennai	2731	10	2.1	Men's Fashion
## 104	104	Mumbai	2196	26	2.3	Laptop & Computers
## 105	105	Delhi	2427	28	5.0	Laptop & Computers
## 106	106	Pune	4879	18	2.4	Books
## 107	107	Pune	3118	12	3.0	Men's Fashion
## 108	108	Pune	3087	19	2.7	Men's Fashion
## 109	109	Chennai	1701	9	3.9	Laptop & Computers
## 110	110	Pune	2870	7	4.9	Men's Fashion
## 111	111	Banglore	2363	16	3.6	Laptop & Computers
## 112	112	Delhi	1859	23	0.8	Laptop & Computers
## 113	113	Delhi	3248	33	1.7	Men's Fashion
## 114	114	Mumbai	2217	11	4.1	Laptop & Computers
## 115	115	Pune	1699	10	1.7	Laptop & Computers
## 116	116	Delhi	3784	11	0.3	Women's Fashion
## 117	117	Delhi	4548	33	3.4	Books
## 118	118	Mumbai	3389	18	3.5	Women's Fashion
## 119	119	Pune	1215	23	2.1	Mobiles
## 120	120	Chennai	1050	31	2.6	Mobiles
## 121	121	Pune	4032	12	0.6	Women's Fashion
## 122	122	Pune	2438	5	3.5	Laptop & Computers
## 123	123	Pune	4958	31	3.2	Books
## 124	124	Pune	1027	4	0.6	Mobiles
## 125	125	Chennai	3023	32	3.0	Men's Fashion
## 126	126	Chennai	4057	25	3.6	Women's Fashion
## 127	127	Mumbai	4300	27	0.4	Books
## 128	128	Chennai	3760	22	4.6	Women's Fashion
## 129	129	Chennai	2937	28	1.6	Men's Fashion
## 130	130	Chennai	3473	34	3.7	Women's Fashion

## 131	131	Mumbai	3385	25	1.0	Women's Fashion
## 132	132	Pune	2659	31	4.6	Men's Fashion
## 133	133	Banglore	4779	11	3.8	Books
## 134	134	Banglore	1482	21	3.0	Laptop & Computers
## 135	135	Banglore	4699	8	0.2	Books
## 136	136	Pune	3211	12	1.8	Men's Fashion
## 137	137	Pune	1853	21	3.1	Laptop & Computers
## 138	138	Delhi	1410	13	2.5	Laptop & Computers
## 139	139	Mumbai	1454	21	4.0	Laptop & Computers
## 140	140	Banglore	2083	31	2.4	Laptop & Computers
## 141	141	Delhi	1611	7	4.4	Laptop & Computers
## 142	142	Delhi	4943	6	3.8	Books
## 143	143	Banglore	2504	23	0.8	Laptop & Computers
## 144	144	Pune	1635	7	4.4	Laptop & Computers
## 145	145	Pune	3438	25	0.2	Women's Fashion
## 146	146	Chennai	1414	30	2.7	Laptop & Computers
## 147	147	Mumbai	4069	10	3.4	Women's Fashion
## 148	148	Delhi	4428	31	1.8	Books
## 149	149	Mumbai	3043	7	1.0	Men's Fashion
## 150	150	Pune	2924	33	2.3	Men's Fashion
## 151	151	Delhi	2774	4	2.6	Men's Fashion
## 152	152	Mumbai	1080	31	3.1	Mobiles
## 153	153	Banglore	4859	10	3.5	Books
## 154	154	Mumbai	2317	34	1.1	Laptop & Computers
## 155	155	Banglore	2930	33	4.4	Men's Fashion
## 156	156	Mumbai	1494	8	3.7	Laptop & Computers
## 157	157	Banglore	3470	31	1.9	Women's Fashion
## 158	158	Pune	2822	8	1.4	Men's Fashion
## 159	159	Pune	4586	18	1.4	Books
## 160	160	Pune	4026	20	4.6	Women's Fashion
## 161	161	Mumbai	4571	33	1.9	Books
## 162	162	Delhi	3975	9	0.7	Women's Fashion
## 163	163	Delhi	1122	14	4.5	Mobiles
## 164	164	Banglore	3457	18	3.7	Women's Fashion
## 165	165	Mumbai	3536	10	4.7	Women's Fashion
## 166	166	Mumbai	2560	34	2.9	Laptop & Computers
## 167	167	Mumbai	2132	6	1.7	Laptop & Computers
## 168	168	Chennai	3490	22	2.5	Women's Fashion
## 169	169	Chennai	1760	23	4.1	Laptop & Computers
## 170	170	Delhi	3504	30	0.2	Women's Fashion
## 171	171	Chennai	4756	29	1.8	Books
## 172	172	Delhi	2090	12	2.4	Laptop & Computers
## 173	173	Chennai	2051	28	1.5	Laptop & Computers
## 174	174	Pune	1738	16	3.9	Laptop & Computers
## 175	175	Chennai	3898	10	3.6	Women's Fashion
## 176	176	Delhi	4904	30	0.1	Books
## 177	177	Delhi	4082	28	3.9	Women's Fashion
## 178	178	Delhi	4031	12	4.0	Women's Fashion
## 179	179	Delhi	3559	16	3.1	Women's Fashion
## 180	180	Pune	1863	6	4.8	Laptop & Computers
## 181	181	Delhi	1291	31	1.5	Mobiles
## 182	182	Delhi	2419	6	2.9	Laptop & Computers
## 183	183	Banglore	3540	22	3.9	Women's Fashion
## 184	184	Delhi	1485	26	2.5	Laptop & Computers

## 185	185	Banglore	4795	14	4.2	Books
## 186	186	Chennai	3254	27	5.0	Men's Fashion
## 187	187	Pune	1974	30	3.0	Laptop & Computers
## 188	188	Banglore	2326	7	3.1	Laptop & Computers
## 189	189	Delhi	4283	15	4.5	Books
## 190	190	Pune	1839	16	1.4	Laptop & Computers
## 191	191	Mumbai	3619	9	0.8	Women's Fashion
## 192	192	Banglore	2069	23	0.5	Laptop & Computers
## 193	193	Delhi	4301	18	2.3	Books
## 194	194	Pune	1250	18	1.4	Mobiles
## 195	195	Pune	2949	27	0.7	Men's Fashion
## 196	196	Pune	4281	18	1.5	Books
## 197	197	Pune	4673	23	2.9	Books
## 198	198	Mumbai	3050	11	2.0	Men's Fashion
## 199	199	Chennai	2042	31	5.0	Laptop & Computers
## 200	200	Chennai	2048	17	4.6	Laptop & Computers
## 201	201	Delhi	3229	9	0.8	Men's Fashion
## 202	202	Banglore	4900	32	3.6	Books
## 203	203	Mumbai	3535	19	3.3	Women's Fashion
## 204	204	Pune	2060	30	2.9	Laptop & Computers
## 205	205	Banglore	1808	33	0.4	Laptop & Computers
## 206	206	Pune	4615	21	4.1	Books
## 207	207	Chennai	2264	29	3.6	Laptop & Computers
## 208	208	Pune	1143	13	3.3	Mobiles
## 209	209	Banglore	4929	6	2.6	Books
## 210	210	Banglore	2534	22	1.8	Laptop & Computers
## 211	211	Pune	2703	28	4.4	Men's Fashion
## 212	212	Pune	4417	25	2.4	Books
## 213	213	Mumbai	2770	19	3.0	Men's Fashion
## 214	214	Mumbai	1498	11	4.1	Laptop & Computers
## 215	215	Delhi	4294	8	4.4	Books
## 216	216	Pune	1095	5	1.2	Mobiles
## 217	217	Mumbai	3861	11	1.9	Women's Fashion
## 218	218	Pune	3683	12	1.9	Women's Fashion
## 219	219	Pune	3446	20	3.0	Women's Fashion
## 220	220	Pune	4013	19	3.0	Women's Fashion
## 221	221	Mumbai	4159	33	4.8	Women's Fashion
## 222	222	Delhi	2230	34	2.2	Laptop & Computers
## 223	223	Mumbai	1583	11	2.7	Laptop & Computers
## 224	224	Delhi	4023	29	4.8	Women's Fashion
## 225	225	Mumbai	3397	14	1.4	Women's Fashion
## 226	226	Banglore	1062	22	5.0	Mobiles
## 227	227	Pune	1660	34	1.9	Laptop & Computers
## 228	228	Pune	1434	17	1.6	Laptop & Computers
## 229	229	Pune	3030	31	1.4	Men's Fashion
## 230	230	Pune	4528	32	0.8	Books
## 231	231	Chennai	1036	18	4.8	Mobiles
## 232	232	Delhi	2697	12	0.7	Men's Fashion
## 233	233	Chennai	4741	9	4.5	Books
## 234	234	Pune	2156	27	1.4	Laptop & Computers
## 235	235	Chennai	1873	18	4.5	Laptop & Computers
## 236	236	Delhi	2636	11	2.6	Men's Fashion
## 237	237	Banglore	1865	19	0.0	Laptop & Computers
## 238	238	Delhi	2021	33	4.0	Laptop & Computers

## 239	239	Mumbai	3746	34	0.9	Women's Fashion
## 240	240	Delhi	3330	24	2.3	Women's Fashion
## 241	241	Mumbai	4730	22	1.3	Books
## 242	242	Delhi	4564	18	1.6	Books
## 243	243	Banglore	3520	12	2.5	Women's Fashion
## 244	244	Chennai	2661	8	0.3	Men's Fashion
## 245	245	Pune	2246	5	1.8	Laptop & Computers
## 246	246	Pune	4369	33	1.7	Books
## 247	247	Delhi	1428	8	4.8	Laptop & Computers
## 248	248	Pune	3252	13	0.2	Men's Fashion
## 249	249	Pune	2397	8	1.2	Laptop & Computers
## 250	250	Chennai	3932	5	0.9	Women's Fashion
## 251	251	Banglore	4890	33	1.6	Books
## 252	252	Chennai	3003	30	1.3	Men's Fashion
## 253	253	Chennai	2840	30	2.3	Men's Fashion
## 254	254	Chennai	1662	22	3.4	Laptop & Computers
## 255	255	Chennai	2627	16	0.6	Men's Fashion
## 256	256	Delhi	3544	28	3.4	Women's Fashion
## 257	257	Pune	3997	33	0.2	Women's Fashion
## 258	258	Mumbai	4131	34	0.2	Women's Fashion
## 259	259	Delhi	3062	28	1.1	Men's Fashion
## 260	260	Chennai	4773	13	3.2	Books
## 261	261	Banglore	3259	16	3.0	Men's Fashion
## 262	262	Banglore	1511	16	2.5	Laptop & Computers
## 263	263	Pune	1144	25	1.2	Mobiles
## 264	264	Mumbai	3766	24	3.9	Women's Fashion
## 265	265	Banglore	2462	23	1.8	Laptop & Computers
## 266	266	Chennai	3312	23	4.9	Women's Fashion
## 267	267	Delhi	1637	34	3.0	Laptop & Computers
## 268	268	Banglore	4919	34	0.2	Books
## 269	269	Mumbai	2453	20	1.1	Laptop & Computers
## 270	270	Banglore	2678	26	3.0	Men's Fashion
## 271	271	Mumbai	4198	31	2.6	Women's Fashion
## 272	272	Chennai	3104	20	4.6	Men's Fashion
## 273	273	Mumbai	3669	25	0.1	Women's Fashion
## 274	274	Pune	2407	31	3.0	Laptop & Computers
## 275	275	Chennai	4761	18	4.1	Books
## 276	276	Delhi	3432	22	5.0	Women's Fashion
## 277	277	Chennai	4337	23	2.3	Books
## 278	278	Mumbai	1151	20	0.2	Mobiles
## 279	279	Banglore	4597	18	2.8	Books
## 280	280	Delhi	2424	26	3.2	Laptop & Computers
## 281	281	Pune	4804	12	5.0	Books
## 282	282	Chennai	3819	33	1.5	Women's Fashion
## 283	283	Mumbai	3130	20	3.6	Men's Fashion
## 284	284	Delhi	1081	11	1.8	Mobiles
## 285	285	Mumbai	1880	17	5.0	Laptop & Computers
## 286	286	Chennai	3242	18	1.0	Men's Fashion
## 287	287	Pune	4455	34	0.4	Books
## 288	288	Chennai	2484	28	2.8	Laptop & Computers
## 289	289	Chennai	2161	17	4.8	Laptop & Computers
## 290	290	Mumbai	2936	30	3.6	Men's Fashion
## 291	291	Banglore	2613	4	4.1	Men's Fashion
## 292	292	Mumbai	4823	12	5.0	Books

## 293	293	Delhi	4170	13	3.4	Women's Fashion
## 294	294	Mumbai	1582	27	2.6	Laptop & Computers
## 295	295	Pune	1226	17	1.8	Mobiles
## 296	296	Mumbai	1770	20	4.3	Laptop & Computers
## 297	297	Delhi	1258	29	2.4	Mobiles
## 298	298	Mumbai	2035	7	0.2	Laptop & Computers
## 299	299	Banglore	4810	22	4.8	Books
## 300	300	Mumbai	1352	21	4.9	Mobiles
## 301	301	Chennai	2950	20	4.7	Men's Fashion
## 302	302	Banglore	3636	6	0.0	Women's Fashion
## 303	303	Delhi	3279	16	1.3	Women's Fashion
## 304	304	Banglore	3066	13	1.2	Men's Fashion
## 305	305	Mumbai	3225	20	4.0	Men's Fashion
## 306	306	Banglore	4102	17	3.8	Women's Fashion
## 307	307	Chennai	1066	34	0.4	Mobiles
## 308	308	Mumbai	3507	27	3.2	Women's Fashion
## 309	309	Banglore	1094	6	2.5	Mobiles
## 310	310	Chennai	4354	10	3.4	Books
## 311	311	Pune	4438	6	0.6	Books
## 312	312	Chennai	3689	6	4.7	Women's Fashion
## 313	313	Pune	2054	6	4.2	Laptop & Computers
## 314	314	Pune	1681	24	3.2	Laptop & Computers
## 315	315	Mumbai	1087	15	1.0	Mobiles
## 316	316	Mumbai	1002	31	2.7	Mobiles
## 317	317	Banglore	2948	4	4.7	Men's Fashion
## 318	318	Pune	4444	34	4.9	Books
## 319	319	Mumbai	1800	29	1.1	Laptop & Computers
## 320	320	Delhi	2458	16	0.6	Laptop & Computers
## 321	321	Mumbai	4799	11	2.9	Books
## 322	322	Mumbai	2316	22	1.9	Laptop & Computers
## 323	323	Mumbai	1466	21	2.9	Laptop & Computers
## 324	324	Delhi	2546	34	4.6	Laptop & Computers
## 325	325	Pune	3628	6	3.5	Women's Fashion
## 326	326	Banglore	3808	15	1.9	Women's Fashion
## 327	327	Mumbai	3396	34	4.8	Women's Fashion
## 328	328	Banglore	3288	30	5.0	Women's Fashion
## 329	329	Delhi	3404	18	0.6	Women's Fashion
## 330	330	Mumbai	2641	5	1.4	Men's Fashion
## 331	331	Pune	4122	34	1.2	Women's Fashion
## 332	332	Mumbai	4490	13	3.9	Books
## 333	333	Chennai	2946	33	4.0	Men's Fashion
## 334	334	Mumbai	1978	22	4.3	Laptop & Computers
## 335	335	Pune	1107	27	1.7	Mobiles
## 336	336	Pune	1856	6	2.9	Laptop & Computers
## 337	337	Mumbai	3178	32	2.3	Men's Fashion
## 338	338	Delhi	2395	24	2.1	Laptop & Computers
## 339	339	Pune	1368	4	4.5	Mobiles
## 340	340	Pune	4973	22	1.5	Books
## 341	341	Chennai	2536	19	2.8	Laptop & Computers
## 342	342	Banglore	2292	8	0.1	Laptop & Computers
## 343	343	Mumbai	3728	22	4.3	Women's Fashion
## 344	344	Delhi	3854	22	3.9	Women's Fashion
## 345	345	Chennai	4204	14	1.7	Women's Fashion
## 346	346	Pune	4040	8	3.6	Women's Fashion

## 347	347	Banglore	2442	28	4.4 Laptop & Computers
## 348	348	Delhi	3054	32	0.7 Men's Fashion
## 349	349	Pune	3543	20	2.2 Women's Fashion
## 350	350	Mumbai	2450	8	4.3 Laptop & Computers
## 351	351	Banglore	3336	13	0.7 Women's Fashion
## 352	352	Delhi	1586	22	2.2 Laptop & Computers
## 353	353	Mumbai	2530	6	2.8 Laptop & Computers
## 354	354	Delhi	4099	30	3.8 Women's Fashion
## 355	355	Pune	1239	22	4.7 Mobiles
## 356	356	Banglore	2393	15	0.2 Laptop & Computers
## 357	357	Delhi	4211	28	3.5 Women's Fashion
## 358	358	Banglore	1375	23	2.8 Mobiles
## 359	359	Chennai	2350	6	4.1 Laptop & Computers
## 360	360	Banglore	2757	23	0.6 Men's Fashion
## 361	361	Mumbai	1147	20	0.5 Mobiles
## 362	362	Mumbai	2821	21	5.0 Men's Fashion
## 363	363	Mumbai	2838	19	3.5 Men's Fashion
## 364	364	Banglore	4043	4	4.4 Women's Fashion
## 365	365	Mumbai	1787	17	4.8 Laptop & Computers
## 366	366	Mumbai	2136	16	0.4 Laptop & Computers
## 367	367	Pune	4768	12	2.7 Books
## 368	368	Mumbai	1198	10	2.9 Mobiles
## 369	369	Chennai	3958	8	0.3 Women's Fashion
## 370	370	Pune	4866	4	3.0 Books
## 371	371	Mumbai	4367	29	4.1 Books
## 372	372	Chennai	2320	31	0.0 Laptop & Computers
## 373	373	Mumbai	4627	6	1.4 Books
## 374	374	Mumbai	2233	10	3.4 Laptop & Computers
## 375	375	Mumbai	1733	19	1.4 Laptop & Computers
## 376	376	Delhi	1599	14	4.4 Laptop & Computers
## 377	377	Chennai	2045	4	1.6 Laptop & Computers
## 378	378	Chennai	4321	14	1.2 Books
## 379	379	Chennai	1634	30	3.3 Laptop & Computers
## 380	380	Chennai	3093	31	1.1 Men's Fashion
## 381	381	Delhi	1271	19	3.1 Mobiles
## 382	382	Mumbai	2052	21	4.6 Laptop & Computers
## 383	383	Delhi	1961	15	3.3 Laptop & Computers
## 384	384	Chennai	1043	27	2.4 Mobiles
## 385	385	Banglore	3872	10	1.5 Women's Fashion
## 386	386	Chennai	4573	33	4.9 Books
## 387	387	Pune	2127	23	1.2 Laptop & Computers
## 388	388	Chennai	3257	33	0.7 Men's Fashion
## 389	389	Mumbai	3660	18	2.5 Women's Fashion
## 390	390	Chennai	2657	7	3.7 Men's Fashion
## 391	391	Chennai	1556	23	4.3 Laptop & Computers
## 392	392	Delhi	3311	20	1.2 Women's Fashion
## 393	393	Banglore	2430	22	0.1 Laptop & Computers
## 394	394	Banglore	2195	10	3.5 Laptop & Computers
## 395	395	Pune	2991	18	4.3 Men's Fashion
## 396	396	Delhi	4478	16	0.2 Books
## 397	397	Banglore	2820	11	1.0 Men's Fashion
## 398	398	Mumbai	1038	12	4.4 Mobiles
## 399	399	Delhi	2903	15	3.6 Men's Fashion
## 400	400	Delhi	1322	21	2.5 Mobiles

## 401	401	Mumbai	4744	33	5.0	Books
## 402	402	Banglore	4427	27	3.6	Books
## 403	403	Chennai	1824	25	3.2	Laptop & Computers
## 404	404	Mumbai	4059	29	0.5	Women's Fashion
## 405	405	Mumbai	4356	30	3.1	Books
## 406	406	Pune	2193	17	1.2	Laptop & Computers
## 407	407	Banglore	1134	19	0.4	Mobiles
## 408	408	Delhi	2207	32	2.0	Laptop & Computers
## 409	409	Mumbai	2029	5	4.7	Laptop & Computers
## 410	410	Pune	2970	15	2.9	Men's Fashion
## 411	411	Delhi	3339	28	3.2	Women's Fashion
## 412	412	Pune	2900	25	1.0	Men's Fashion
## 413	413	Mumbai	4012	11	2.9	Women's Fashion
## 414	414	Mumbai	2115	21	1.7	Laptop & Computers
## 415	415	Banglore	3717	8	4.4	Women's Fashion
## 416	416	Pune	1951	29	2.3	Laptop & Computers
## 417	417	Banglore	4514	16	0.1	Books
## 418	418	Delhi	2923	11	3.2	Men's Fashion
## 419	419	Chennai	4911	26	3.6	Books
## 420	420	Delhi	4830	15	5.0	Books
## 421	421	Banglore	1425	11	4.7	Laptop & Computers
## 422	422	Mumbai	3228	26	3.7	Men's Fashion
## 423	423	Chennai	2792	32	4.6	Men's Fashion
## 424	424	Mumbai	1380	10	0.7	Laptop & Computers
## 425	425	Chennai	4815	19	0.4	Books
## 426	426	Chennai	3749	6	4.7	Women's Fashion
## 427	427	Delhi	1802	25	3.4	Laptop & Computers
## 428	428	Pune	3830	7	5.0	Women's Fashion
## 429	429	Delhi	3896	28	4.5	Women's Fashion
## 430	430	Pune	3188	23	2.4	Men's Fashion
## 431	431	Banglore	2377	34	5.0	Laptop & Computers
## 432	432	Chennai	2332	32	3.1	Laptop & Computers
## 433	433	Banglore	2611	13	2.6	Men's Fashion
## 434	434	Mumbai	1735	10	0.5	Laptop & Computers
## 435	435	Banglore	3414	28	0.0	Women's Fashion
## 436	436	Banglore	1289	27	1.8	Mobiles
## 437	437	Chennai	2112	9	0.1	Laptop & Computers
## 438	438	Delhi	2999	22	2.4	Men's Fashion
## 439	439	Chennai	3421	7	0.2	Women's Fashion
## 440	440	Delhi	1305	16	2.9	Mobiles
## 441	441	Banglore	4340	20	2.8	Books
## 442	442	Chennai	2223	8	3.8	Laptop & Computers
## 443	443	Delhi	1293	31	2.1	Mobiles
## 444	444	Mumbai	1747	33	1.5	Laptop & Computers
## 445	445	Chennai	4532	27	2.5	Books
## 446	446	Pune	4393	30	2.1	Books
## 447	447	Pune	3531	7	2.0	Women's Fashion
## 448	448	Pune	4258	31	4.0	Books
## 449	449	Banglore	3539	34	1.8	Women's Fashion
## 450	450	Mumbai	4338	32	0.9	Books
## 451	451	Mumbai	1253	13	1.6	Mobiles
## 452	452	Chennai	2305	24	0.7	Laptop & Computers
## 453	453	Mumbai	1626	4	1.7	Laptop & Computers
## 454	454	Mumbai	4797	32	2.5	Books

## 455	455	Mumbai	4326	18	3.8	Books
## 456	456	Chennai	2248	33	2.0	Laptop & Computers
## 457	457	Chennai	1773	6	2.0	Laptop & Computers
## 458	458	Banglore	2676	18	2.1	Men's Fashion
## 459	459	Pune	3948	16	2.0	Women's Fashion
## 460	460	Pune	3175	20	2.3	Men's Fashion
## 461	461	Mumbai	4412	16	1.7	Books
## 462	462	Delhi	3678	5	1.2	Women's Fashion
## 463	463	Mumbai	4183	24	3.6	Women's Fashion
## 464	464	Mumbai	4776	15	3.4	Books
## 465	465	Banglore	3720	18	3.6	Women's Fashion
## 466	466	Mumbai	1650	5	1.4	Laptop & Computers
## 467	467	Delhi	4805	28	2.7	Books
## 468	468	Delhi	1812	19	3.4	Laptop & Computers
## 469	469	Chennai	4415	25	3.1	Books
## 470	470	Banglore	2525	21	3.1	Laptop & Computers
## 471	471	Banglore	3177	16	3.0	Men's Fashion
## 472	472	Banglore	2312	11	2.0	Laptop & Computers
## 473	473	Pune	3020	29	4.7	Men's Fashion
## 474	474	Pune	1370	9	3.6	Mobiles
## 475	475	Mumbai	2071	15	0.4	Laptop & Computers
## 476	476	Chennai	2061	16	3.8	Laptop & Computers
## 477	477	Delhi	4060	5	1.6	Women's Fashion
## 478	478	Pune	2351	7	2.7	Laptop & Computers
## 479	479	Pune	4460	30	1.9	Books
## 480	480	Banglore	3799	15	2.1	Women's Fashion
## 481	481	Banglore	3658	6	4.3	Women's Fashion
## 482	482	Mumbai	3034	14	1.6	Men's Fashion
## 483	483	Banglore	3996	16	4.5	Women's Fashion
## 484	484	Pune	2005	33	3.6	Laptop & Computers
## 485	485	Chennai	1344	8	0.0	Mobiles
## 486	486	Chennai	4378	29	3.5	Books
## 487	487	Mumbai	2887	22	2.9	Men's Fashion
## 488	488	Pune	1602	8	3.3	Laptop & Computers
## 489	489	Chennai	1819	34	0.7	Laptop & Computers
## 490	490	Delhi	4001	4	1.9	Women's Fashion
## 491	491	Banglore	2861	9	4.7	Men's Fashion
## 492	492	Chennai	2268	16	1.1	Laptop & Computers
## 493	493	Delhi	2600	8	0.4	Men's Fashion
## 494	494	Chennai	2779	24	2.7	Men's Fashion
## 495	495	Chennai	3706	26	3.8	Women's Fashion
## 496	496	Pune	2729	19	1.9	Men's Fashion
## 497	497	Mumbai	4160	33	4.8	Women's Fashion
## 498	498	Banglore	1642	4	1.7	Laptop & Computers
## 499	499	Pune	4960	14	3.0	Books
## 500	500	Delhi	4792	33	4.1	Books
## 501	501	Banglore	2756	21	2.4	Men's Fashion
## 502	502	Pune	4390	16	2.3	Books
## 503	503	Chennai	2359	27	2.5	Laptop & Computers
## 504	504	Delhi	3069	25	4.4	Men's Fashion
## 505	505	Mumbai	1312	5	4.0	Mobiles
## 506	506	Mumbai	3132	4	2.5	Men's Fashion
## 507	507	Mumbai	2960	8	1.3	Men's Fashion
## 508	508	Delhi	4667	22	4.4	Books

## 509	509	Banglore	4145	19	2.6	Women's Fashion
## 510	510	Pune	2680	9	4.9	Men's Fashion
## 511	511	Delhi	3567	24	3.2	Women's Fashion
## 512	512	Pune	3577	18	3.6	Women's Fashion
## 513	513	Banglore	3790	31	2.6	Women's Fashion
## 514	514	Pune	3231	11	0.7	Men's Fashion
## 515	515	Banglore	4220	8	3.2	Books
## 516	516	Mumbai	2557	19	5.0	Laptop & Computers
## 517	517	Banglore	1916	6	3.6	Laptop & Computers
## 518	518	Pune	2100	22	1.2	Laptop & Computers
## 519	519	Pune	3724	24	1.7	Women's Fashion
## 520	520	Pune	2506	17	2.9	Laptop & Computers
## 521	521	Delhi	4364	28	5.0	Books
## 522	522	Delhi	2358	22	4.9	Laptop & Computers
## 523	523	Chennai	4035	30	4.0	Women's Fashion
## 524	524	Banglore	4920	23	4.7	Books
## 525	525	Pune	2183	29	4.3	Laptop & Computers
## 526	526	Pune	3527	9	4.5	Women's Fashion
## 527	527	Pune	4700	24	0.0	Books
## 528	528	Chennai	4495	4	0.9	Books
## 529	529	Delhi	3415	23	0.4	Women's Fashion
## 530	530	Mumbai	1955	22	1.1	Laptop & Computers
## 531	531	Banglore	1996	5	3.9	Laptop & Computers
## 532	532	Chennai	3879	28	3.7	Women's Fashion
## 533	533	Banglore	4396	6	2.8	Books
## 534	534	Banglore	3598	33	1.9	Women's Fashion
## 535	535	Banglore	3331	32	0.7	Women's Fashion
## 536	536	Banglore	1051	10	3.5	Mobiles
## 537	537	Mumbai	2939	34	4.0	Men's Fashion
## 538	538	Delhi	2040	25	3.4	Laptop & Computers
## 539	539	Delhi	4809	19	4.8	Books
## 540	540	Chennai	3852	29	2.2	Women's Fashion
## 541	541	Banglore	3357	25	3.9	Women's Fashion
## 542	542	Delhi	1723	28	2.9	Laptop & Computers
## 543	543	Banglore	3863	24	4.6	Women's Fashion
## 544	544	Chennai	4386	12	0.2	Books
## 545	545	Mumbai	1395	22	4.1	Laptop & Computers
## 546	546	Banglore	4140	13	1.4	Women's Fashion
## 547	547	Chennai	4647	20	4.1	Books
## 548	548	Banglore	1870	11	4.5	Laptop & Computers
## 549	549	Mumbai	4636	21	4.6	Books
## 550	550	Mumbai	1496	23	1.4	Laptop & Computers
## 551	551	Chennai	1158	29	1.7	Mobiles
## 552	552	Banglore	3089	10	1.7	Men's Fashion
## 553	553	Banglore	2274	24	1.1	Laptop & Computers
## 554	554	Chennai	4975	27	1.5	Books
## 555	555	Delhi	3263	24	4.0	Men's Fashion
## 556	556	Delhi	1409	25	1.9	Laptop & Computers
## 557	557	Delhi	1044	24	4.0	Mobiles
## 558	558	Chennai	4734	27	4.5	Books
## 559	559	Banglore	4970	21	0.9	Books
## 560	560	Chennai	2656	16	4.5	Men's Fashion
## 561	561	Pune	3876	8	1.1	Women's Fashion
## 562	562	Pune	4949	6	4.7	Books

## 563	563	Banglore	2549	8	4.0 Laptop & Computers
## 564	564	Chennai	2139	18	0.4 Laptop & Computers
## 565	565	Banglore	3284	31	4.5 Women's Fashion
## 566	566	Pune	3428	6	3.0 Women's Fashion
## 567	567	Mumbai	2201	34	3.7 Laptop & Computers
## 568	568	Chennai	4168	24	4.2 Women's Fashion
## 569	569	Banglore	1292	19	1.0 Mobiles
## 570	570	Mumbai	1538	31	4.1 Laptop & Computers
## 571	571	Banglore	1967	32	0.4 Laptop & Computers
## 572	572	Chennai	1821	8	2.2 Laptop & Computers
## 573	573	Banglore	2632	8	2.2 Men's Fashion
## 574	574	Pune	3468	10	4.4 Women's Fashion
## 575	575	Banglore	1588	20	3.5 Laptop & Computers
## 576	576	Mumbai	3065	31	4.4 Men's Fashion
## 577	577	Mumbai	3358	23	2.9 Women's Fashion
## 578	578	Pune	2714	23	1.2 Men's Fashion
## 579	579	Chennai	4434	25	1.2 Books
## 580	580	Pune	2007	15	4.7 Laptop & Computers
## 581	581	Chennai	1363	20	3.5 Mobiles
## 582	582	Chennai	1512	17	3.5 Laptop & Computers
## 583	583	Mumbai	3121	8	2.5 Men's Fashion
## 584	584	Delhi	4076	4	1.8 Women's Fashion
## 585	585	Pune	4948	7	3.0 Books
## 586	586	Pune	1573	33	1.0 Laptop & Computers
## 587	587	Banglore	1679	25	2.3 Laptop & Computers
## 588	588	Pune	2957	5	2.8 Men's Fashion
## 589	589	Banglore	4969	11	3.6 Books
## 590	590	Delhi	4411	23	0.9 Books
## 591	591	Pune	1199	19	3.6 Mobiles
## 592	592	Banglore	3338	30	2.4 Women's Fashion
## 593	593	Pune	1726	15	4.6 Laptop & Computers
## 594	594	Delhi	1231	8	0.3 Mobiles
## 595	595	Delhi	1989	31	1.3 Laptop & Computers
## 596	596	Banglore	3606	10	4.9 Women's Fashion
## 597	597	Chennai	3434	23	4.1 Women's Fashion
## 598	598	Mumbai	4671	20	0.1 Books
## 599	599	Delhi	1206	21	3.8 Mobiles
## 600	600	Chennai	3235	34	3.4 Men's Fashion
## 601	601	Chennai	3281	13	1.5 Women's Fashion
## 602	602	Delhi	2837	30	4.6 Men's Fashion
## 603	603	Mumbai	3769	28	2.6 Women's Fashion
## 604	604	Delhi	4489	27	1.5 Books
## 605	605	Mumbai	1267	29	2.0 Mobiles
## 606	606	Banglore	3191	16	3.5 Men's Fashion
## 607	607	Banglore	4629	33	2.4 Books
## 608	608	Pune	2299	12	5.0 Laptop & Computers
## 609	609	Pune	3152	28	1.4 Men's Fashion
## 610	610	Mumbai	3477	32	2.6 Women's Fashion
## 611	611	Chennai	4273	29	0.9 Books
## 612	612	Delhi	1943	17	4.9 Laptop & Computers
## 613	613	Pune	1104	23	2.8 Mobiles
## 614	614	Delhi	2668	16	3.3 Men's Fashion
## 615	615	Mumbai	2211	32	5.0 Laptop & Computers
## 616	616	Banglore	4245	30	4.3 Books

## 617	617	Pune	3718	21	2.3	Women's Fashion
## 618	618	Pune	4109	4	1.9	Women's Fashion
## 619	619	Pune	3234	8	2.8	Men's Fashion
## 620	620	Delhi	2002	30	4.3	Laptop & Computers
## 621	621	Pune	3570	11	2.2	Women's Fashion
## 622	622	Banglore	2897	25	3.2	Men's Fashion
## 623	623	Mumbai	1068	4	4.1	Mobiles
## 624	624	Chennai	2174	22	2.7	Laptop & Computers
## 625	625	Mumbai	4925	8	0.7	Books
## 626	626	Pune	2942	16	4.8	Men's Fashion
## 627	627	Pune	3988	21	2.7	Women's Fashion
## 628	628	Delhi	2955	26	3.5	Men's Fashion
## 629	629	Delhi	2772	33	4.5	Men's Fashion
## 630	630	Pune	2629	22	2.6	Men's Fashion
## 631	631	Chennai	4020	21	4.4	Women's Fashion
## 632	632	Banglore	4951	12	3.3	Books
## 633	633	Chennai	4119	19	4.7	Women's Fashion
## 634	634	Pune	3083	15	3.8	Men's Fashion
## 635	635	Delhi	4107	17	0.2	Women's Fashion
## 636	636	Chennai	1658	4	2.4	Laptop & Computers
## 637	637	Pune	3526	13	2.5	Women's Fashion
## 638	638	Banglore	2418	8	2.6	Laptop & Computers
## 639	639	Mumbai	4983	15	4.6	Books
## 640	640	Pune	2372	33	3.5	Laptop & Computers
## 641	641	Pune	1120	11	2.4	Mobiles
## 642	642	Chennai	4108	9	3.1	Women's Fashion
## 643	643	Mumbai	4262	32	1.4	Books
## 644	644	Chennai	2572	23	4.4	Laptop & Computers
## 645	645	Chennai	2592	11	2.9	Men's Fashion
## 646	646	Mumbai	2880	7	4.0	Men's Fashion
## 647	647	Pune	2582	12	1.7	Men's Fashion
## 648	648	Mumbai	1141	6	3.8	Mobiles
## 649	649	Banglore	3545	20	3.8	Women's Fashion
## 650	650	Banglore	2065	26	0.7	Laptop & Computers
## 651	651	Banglore	3022	11	3.2	Men's Fashion
## 652	652	Pune	2186	33	4.2	Laptop & Computers
## 653	653	Pune	3895	18	3.3	Women's Fashion
## 654	654	Delhi	3222	6	2.9	Men's Fashion
## 655	655	Delhi	2149	13	4.6	Laptop & Computers
## 656	656	Mumbai	2469	18	1.0	Laptop & Computers
## 657	657	Delhi	2726	31	4.7	Men's Fashion
## 658	658	Chennai	2496	13	2.2	Laptop & Computers
## 659	659	Chennai	4670	17	1.2	Books
## 660	660	Banglore	2294	18	1.0	Laptop & Computers
## 661	661	Banglore	1137	18	0.2	Mobiles
## 662	662	Chennai	4185	24	1.6	Women's Fashion
## 663	663	Banglore	1988	21	4.7	Laptop & Computers
## 664	664	Banglore	2313	21	4.8	Laptop & Computers
## 665	665	Banglore	3155	15	3.7	Men's Fashion
## 666	666	Chennai	4219	19	1.1	Women's Fashion
## 667	667	Chennai	4500	12	4.1	Books
## 668	668	Pune	1491	23	0.6	Laptop & Computers
## 669	669	Banglore	1608	12	1.8	Laptop & Computers
## 670	670	Mumbai	1233	17	2.9	Mobiles

## 671	671	Pune	2883	13	3.8	Men's Fashion
## 672	672	Delhi	2095	17	5.0	Laptop & Computers
## 673	673	Pune	3864	15	1.8	Women's Fashion
## 674	674	Banglore	4358	19	1.3	Books
## 675	675	Delhi	1319	12	4.5	Mobiles
## 676	676	Mumbai	1703	8	4.8	Laptop & Computers
## 677	677	Mumbai	2589	31	1.5	Men's Fashion
## 678	678	Mumbai	3157	17	1.5	Men's Fashion
## 679	679	Chennai	2178	34	3.7	Laptop & Computers
## 680	680	Delhi	2141	9	1.2	Laptop & Computers
## 681	681	Mumbai	4565	30	1.9	Books
## 682	682	Banglore	4661	14	4.9	Books
## 683	683	Banglore	3918	14	1.7	Women's Fashion
## 684	684	Delhi	4266	13	2.5	Books
## 685	685	Mumbai	2688	8	0.5	Men's Fashion
## 686	686	Pune	1345	26	2.8	Mobiles
## 687	687	Chennai	2562	26	0.0	Laptop & Computers
## 688	688	Banglore	1558	26	1.7	Laptop & Computers
## 689	689	Chennai	3659	16	1.6	Women's Fashion
## 690	690	Pune	4758	7	0.1	Books
## 691	691	Chennai	2823	16	3.5	Men's Fashion
## 692	692	Delhi	4086	33	4.4	Women's Fashion
## 693	693	Pune	1956	16	0.1	Laptop & Computers
## 694	694	Chennai	3868	16	4.3	Women's Fashion
## 695	695	Delhi	4052	19	2.5	Women's Fashion
## 696	696	Delhi	2704	7	0.4	Men's Fashion
## 697	697	Pune	4397	7	1.2	Books
## 698	698	Banglore	1166	27	3.5	Mobiles
## 699	699	Banglore	4448	29	0.1	Books
## 700	700	Banglore	3150	22	2.2	Men's Fashion
## 701	701	Delhi	3439	34	0.9	Women's Fashion
## 702	702	Chennai	3272	14	3.7	Women's Fashion
## 703	703	Mumbai	3359	27	0.3	Women's Fashion
## 704	704	Mumbai	4050	32	0.8	Women's Fashion
## 705	705	Banglore	4724	28	3.1	Books
## 706	706	Chennai	4126	8	0.0	Women's Fashion
## 707	707	Banglore	2482	24	2.2	Laptop & Computers
## 708	708	Pune	3927	34	4.7	Women's Fashion
## 709	709	Chennai	3070	13	3.5	Men's Fashion
## 710	710	Banglore	3809	8	1.7	Women's Fashion
## 711	711	Chennai	3366	28	3.5	Women's Fashion
## 712	712	Chennai	2017	28	4.2	Laptop & Computers
## 713	713	Chennai	2354	18	3.4	Laptop & Computers
## 714	714	Pune	3946	7	3.8	Women's Fashion
## 715	715	Pune	1751	17	1.4	Laptop & Computers
## 716	716	Chennai	1304	21	0.9	Mobiles
## 717	717	Chennai	2791	13	4.5	Men's Fashion
## 718	718	Pune	3341	5	3.1	Women's Fashion
## 719	719	Chennai	4275	10	0.3	Books
## 720	720	Pune	3025	6	3.3	Men's Fashion
## 721	721	Banglore	3374	19	1.0	Women's Fashion
## 722	722	Banglore	4802	18	2.3	Books
## 723	723	Banglore	4641	30	2.2	Books
## 724	724	Banglore	4808	19	2.1	Books

## 725	725	Chennai	4058	24	3.1	Women's Fashion
## 726	726	Chennai	1530	33	1.3	Laptop & Computers
## 727	727	Delhi	1781	33	4.1	Laptop & Computers
## 728	728	Pune	3221	7	1.2	Men's Fashion
## 729	729	Banglore	4259	34	0.9	Books
## 730	730	Mumbai	2487	28	4.2	Laptop & Computers
## 731	731	Chennai	1335	22	0.1	Mobiles
## 732	732	Banglore	1869	18	3.6	Laptop & Computers
## 733	733	Mumbai	1076	30	0.5	Mobiles
## 734	734	Mumbai	1953	13	4.4	Laptop & Computers
## 735	735	Chennai	1659	21	1.5	Laptop & Computers
## 736	736	Chennai	4062	32	2.3	Women's Fashion
## 737	737	Mumbai	3929	5	3.0	Women's Fashion
## 738	738	Mumbai	4304	22	2.6	Books
## 739	739	Banglore	3617	15	0.3	Women's Fashion
## 740	740	Mumbai	4593	27	2.6	Books
## 741	741	Pune	4899	23	2.7	Books
## 742	742	Pune	1796	32	3.1	Laptop & Computers
## 743	743	Mumbai	4491	30	3.5	Books
## 744	744	Pune	3433	15	3.6	Women's Fashion
## 745	745	Delhi	3275	26	3.2	Women's Fashion
## 746	746	Delhi	1108	4	4.6	Mobiles
## 747	747	Delhi	3923	13	4.6	Women's Fashion
## 748	748	Banglore	4445	31	0.2	Books
## 749	749	Pune	1708	11	4.2	Laptop & Computers
## 750	750	Pune	1460	20	3.4	Laptop & Computers
## 751	751	Mumbai	3467	31	4.5	Women's Fashion
## 752	752	Mumbai	4945	34	0.8	Books
## 753	753	Banglore	2558	7	3.1	Laptop & Computers
## 754	754	Banglore	1713	25	0.2	Laptop & Computers
## 755	755	Mumbai	4817	17	1.4	Books
## 756	756	Pune	3499	30	2.5	Women's Fashion
## 757	757	Delhi	4080	16	1.0	Women's Fashion
## 758	758	Banglore	3591	25	4.9	Women's Fashion
## 759	759	Delhi	4646	5	2.7	Books
## 760	760	Delhi	3787	19	4.4	Women's Fashion
## 761	761	Chennai	2105	10	0.5	Laptop & Computers
## 762	762	Mumbai	1547	6	4.8	Laptop & Computers
## 763	763	Pune	2706	33	3.8	Men's Fashion
## 764	764	Delhi	3274	28	0.3	Women's Fashion
## 765	765	Chennai	2510	29	1.1	Laptop & Computers
## 766	766	Mumbai	3126	30	4.0	Men's Fashion
## 767	767	Mumbai	4732	18	0.5	Books
## 768	768	Mumbai	2119	7	0.0	Laptop & Computers
## 769	769	Pune	4892	28	3.6	Books
## 770	770	Pune	3721	18	0.1	Women's Fashion
## 771	771	Mumbai	3890	32	2.9	Women's Fashion
## 772	772	Delhi	3007	24	4.6	Men's Fashion
## 773	773	Mumbai	3998	16	1.8	Women's Fashion
## 774	774	Banglore	1598	33	1.0	Laptop & Computers
## 775	775	Delhi	1149	12	2.8	Mobiles
## 776	776	Mumbai	1755	21	0.6	Laptop & Computers
## 777	777	Pune	4839	10	4.7	Books
## 778	778	Delhi	4085	30	3.0	Women's Fashion

## 779	779	Banglore	2996	10	3.2	Men's Fashion
## 780	780	Delhi	2593	11	3.4	Men's Fashion
## 781	781	Pune	2147	4	4.0	Laptop & Computers
## 782	782	Pune	3057	27	4.6	Men's Fashion
## 783	783	Pune	1170	14	1.2	Mobiles
## 784	784	Pune	4618	5	3.0	Books
## 785	785	Banglore	2508	33	3.4	Laptop & Computers
## 786	786	Mumbai	3245	18	2.9	Men's Fashion
## 787	787	Delhi	1748	26	5.0	Laptop & Computers
## 788	788	Delhi	2615	14	4.6	Men's Fashion
## 789	789	Pune	1919	19	3.4	Laptop & Computers
## 790	790	Pune	2243	26	2.1	Laptop & Computers
## 791	791	Banglore	4233	29	3.4	Books
## 792	792	Mumbai	3915	34	3.9	Women's Fashion
## 793	793	Chennai	4470	16	0.1	Books
## 794	794	Delhi	1928	29	3.6	Laptop & Computers
## 795	795	Delhi	3926	26	0.7	Women's Fashion
## 796	796	Mumbai	4664	14	0.7	Books
## 797	797	Pune	1618	6	0.7	Laptop & Computers
## 798	798	Delhi	2855	30	0.5	Men's Fashion
## 799	799	Mumbai	1697	20	3.6	Laptop & Computers
## 800	800	Chennai	3402	19	0.0	Women's Fashion
## 801	801	Banglore	1441	20	4.5	Laptop & Computers
## 802	802	Delhi	1237	9	4.6	Mobiles
## 803	803	Pune	2864	15	0.6	Men's Fashion
## 804	804	Chennai	3626	13	4.0	Women's Fashion
## 805	805	Mumbai	2742	10	2.6	Men's Fashion
## 806	806	Delhi	3393	22	4.6	Women's Fashion
## 807	807	Mumbai	2802	33	3.9	Men's Fashion
## 808	808	Chennai	1504	10	3.5	Laptop & Computers
## 809	809	Chennai	2400	22	2.5	Laptop & Computers
## 810	810	Pune	1369	22	3.1	Mobiles
## 811	811	Pune	3924	17	0.5	Women's Fashion
## 812	812	Delhi	4077	17	0.7	Women's Fashion
## 813	813	Delhi	3352	31	1.4	Women's Fashion
## 814	814	Banglore	1230	20	3.2	Mobiles
## 815	815	Delhi	1195	19	3.5	Mobiles
## 816	816	Chennai	3955	19	0.6	Women's Fashion
## 817	817	Banglore	3280	9	0.2	Women's Fashion
## 818	818	Banglore	3036	16	1.7	Men's Fashion
## 819	819	Banglore	3821	29	1.2	Women's Fashion
## 820	820	Pune	1000	23	3.8	Mobiles
## 821	821	Mumbai	2956	26	5.0	Men's Fashion
## 822	822	Chennai	1193	21	4.3	Mobiles
## 823	823	Pune	4221	21	1.2	Books
## 824	824	Mumbai	1413	29	1.9	Laptop & Computers
## 825	825	Chennai	2518	27	4.3	Laptop & Computers
## 826	826	Banglore	2106	29	4.7	Laptop & Computers
## 827	827	Chennai	1266	9	2.0	Mobiles
## 828	828	Chennai	1559	32	3.9	Laptop & Computers
## 829	829	Delhi	4450	28	5.0	Books
## 830	830	Chennai	1736	4	2.0	Laptop & Computers
## 831	831	Chennai	4313	23	4.9	Books
## 832	832	Chennai	2740	21	1.7	Men's Fashion

## 833	833	Mumbai	2401	20	1.7	Laptop & Computers
## 834	834	Mumbai	4695	5	1.8	Books
## 835	835	Mumbai	1546	7	4.7	Laptop & Computers
## 836	836	Delhi	3674	16	3.9	Women's Fashion
## 837	837	Pune	2710	5	3.7	Men's Fashion
## 838	838	Pune	4827	15	5.0	Books
## 839	839	Banglore	4864	29	2.4	Books
## 840	840	Delhi	2973	8	3.7	Men's Fashion
## 841	841	Banglore	2144	16	2.4	Laptop & Computers
## 842	842	Chennai	3018	7	3.0	Men's Fashion
## 843	843	Banglore	4893	5	3.5	Books
## 844	844	Banglore	4217	26	0.3	Women's Fashion
## 845	845	Chennai	1676	13	1.7	Laptop & Computers
## 846	846	Banglore	2799	9	4.1	Men's Fashion
## 847	847	Banglore	4609	7	4.3	Books
## 848	848	Delhi	1228	12	4.1	Mobiles
## 849	849	Banglore	1698	4	3.3	Laptop & Computers
## 850	850	Mumbai	2914	26	4.7	Men's Fashion
## 851	851	Chennai	2472	19	0.1	Laptop & Computers
## 852	852	Chennai	1749	28	2.3	Laptop & Computers
## 853	853	Pune	1174	7	0.7	Mobiles
## 854	854	Banglore	2926	21	1.8	Men's Fashion
## 855	855	Chennai	1936	7	3.3	Laptop & Computers
## 856	856	Delhi	4863	14	2.2	Books
## 857	857	Mumbai	4822	6	2.0	Books
## 858	858	Pune	1942	10	5.0	Laptop & Computers
## 859	859	Chennai	4860	18	1.6	Books
## 860	860	Banglore	2945	13	1.8	Men's Fashion
## 861	861	Banglore	2375	17	2.4	Laptop & Computers
## 862	862	Mumbai	3757	33	0.5	Women's Fashion
## 863	863	Banglore	1135	7	2.0	Mobiles
## 864	864	Pune	4782	5	4.4	Books
## 865	865	Pune	3611	14	4.7	Women's Fashion
## 866	866	Mumbai	4066	27	3.2	Women's Fashion
## 867	867	Mumbai	3144	32	2.8	Men's Fashion
## 868	868	Banglore	1355	26	4.6	Mobiles
## 869	869	Banglore	1518	26	0.9	Laptop & Computers
## 870	870	Mumbai	2745	25	3.3	Men's Fashion
## 871	871	Delhi	4251	23	2.4	Books
## 872	872	Pune	2446	17	4.4	Laptop & Computers
## 873	873	Pune	3226	13	3.8	Men's Fashion
## 874	874	Banglore	1427	16	1.0	Laptop & Computers
## 875	875	Pune	1844	29	0.7	Laptop & Computers
## 876	876	Pune	2981	31	3.5	Men's Fashion
## 877	877	Pune	3607	13	1.4	Women's Fashion
## 878	878	Chennai	2940	14	4.1	Men's Fashion
## 879	879	Banglore	1871	5	1.9	Laptop & Computers
## 880	880	Banglore	2522	8	3.1	Laptop & Computers
## 881	881	Pune	4473	9	5.0	Books
## 882	882	Pune	2681	16	1.9	Men's Fashion
## 883	883	Banglore	4791	19	0.8	Books
## 884	884	Delhi	1337	27	5.0	Mobiles
## 885	885	Chennai	4942	34	2.9	Books
## 886	886	Banglore	3983	30	0.3	Women's Fashion

## 887	887	Banglore	3149	7	2.3	Men's Fashion
## 888	888	Mumbai	3482	30	2.4	Women's Fashion
## 889	889	Chennai	4972	31	1.6	Books
## 890	890	Mumbai	3168	7	2.9	Men's Fashion
## 891	891	Banglore	1421	8	5.0	Laptop & Computers
## 892	892	Pune	2852	4	4.6	Men's Fashion
## 893	893	Mumbai	3712	18	4.5	Women's Fashion
## 894	894	Banglore	2118	18	4.7	Laptop & Computers
## 895	895	Banglore	1867	6	4.1	Laptop & Computers
## 896	896	Banglore	2411	14	0.1	Laptop & Computers
## 897	897	Pune	1593	29	3.2	Laptop & Computers
## 898	898	Pune	1617	6	3.1	Laptop & Computers
## 899	899	Banglore	2057	29	1.9	Laptop & Computers
## 900	900	Banglore	1175	17	2.2	Mobiles
## 901	901	Banglore	3817	12	3.9	Women's Fashion
## 902	902	Chennai	2047	6	0.5	Laptop & Computers
## 903	903	Delhi	4225	18	1.2	Books
## 904	904	Delhi	4778	29	0.6	Books
## 905	905	Delhi	4090	14	1.5	Women's Fashion
## 906	906	Banglore	3913	28	4.6	Women's Fashion
## 907	907	Pune	4608	28	2.8	Books
## 908	908	Banglore	3260	21	1.7	Men's Fashion
## 909	909	Chennai	1567	31	1.1	Laptop & Computers
## 910	910	Delhi	3418	16	2.6	Women's Fashion
## 911	911	Banglore	4738	9	1.1	Books
## 912	912	Banglore	1146	20	2.5	Mobiles
## 913	913	Delhi	3169	10	2.3	Men's Fashion
## 914	914	Mumbai	1709	7	2.7	Laptop & Computers
## 915	915	Banglore	3109	15	0.3	Men's Fashion
## 916	916	Mumbai	2964	12	3.1	Men's Fashion
## 917	917	Delhi	3671	24	2.1	Women's Fashion
## 918	918	Delhi	3995	9	4.2	Women's Fashion
## 919	919	Delhi	2628	4	3.4	Men's Fashion
## 920	920	Mumbai	4566	8	0.7	Books
## 921	921	Chennai	2225	5	0.6	Laptop & Computers
## 922	922	Pune	4990	29	1.9	Books
## 923	923	Pune	1364	33	3.4	Mobiles
## 924	924	Mumbai	1806	18	4.7	Laptop & Computers
## 925	925	Pune	4786	22	1.9	Books
## 926	926	Delhi	1455	14	4.2	Laptop & Computers
## 927	927	Chennai	1782	32	0.1	Laptop & Computers
## 928	928	Mumbai	2719	10	4.1	Men's Fashion
## 929	929	Banglore	3153	23	3.7	Men's Fashion
## 930	930	Mumbai	2311	19	0.9	Laptop & Computers
## 931	931	Chennai	4681	34	3.5	Books
## 932	932	Banglore	3866	4	2.1	Women's Fashion
## 933	933	Pune	3141	6	1.5	Men's Fashion
## 934	934	Banglore	1067	12	1.0	Mobiles
## 935	935	Chennai	4723	18	0.1	Books
## 936	936	Banglore	3256	16	4.4	Men's Fashion
## 937	937	Pune	3589	29	2.3	Women's Fashion
## 938	938	Chennai	4634	26	2.3	Books
## 939	939	Pune	2341	34	2.7	Laptop & Computers
## 940	940	Chennai	4800	6	1.7	Books

## 941	941	Mumbai	4708	33	2.8	Books
## 942	942	Pune	3541	22	4.6	Women's Fashion
## 943	943	Banglore	3361	18	1.9	Women's Fashion
## 944	944	Mumbai	1687	6	4.5	Laptop & Computers
## 945	945	Mumbai	1489	25	3.5	Laptop & Computers
## 946	946	Mumbai	1129	25	1.2	Mobiles
## 947	947	Mumbai	1224	25	0.4	Mobiles
## 948	948	Pune	3719	28	1.7	Women's Fashion
## 949	949	Delhi	1595	6	2.8	Laptop & Computers
## 950	950	Pune	4346	11	5.0	Books
## 951	951	Pune	3237	5	1.4	Men's Fashion
## 952	952	Pune	4713	8	0.6	Books
## 953	953	Delhi	4862	31	4.7	Books
## 954	954	Banglore	1575	11	4.2	Laptop & Computers
## 955	955	Delhi	3511	11	0.0	Women's Fashion
## 956	956	Pune	4691	33	3.2	Books
## 957	957	Banglore	3204	11	4.0	Men's Fashion
## 958	958	Mumbai	2873	9	2.2	Men's Fashion
## 959	959	Mumbai	1633	8	0.1	Laptop & Computers
## 960	960	Chennai	4416	30	1.8	Books
## 961	961	Pune	2943	30	1.0	Men's Fashion
## 962	962	Delhi	3877	4	2.3	Women's Fashion
## 963	963	Pune	4605	17	0.4	Books
## 964	964	Pune	4852	18	0.1	Books
## 965	965	Pune	2219	10	4.4	Laptop & Computers
## 966	966	Mumbai	3453	12	0.5	Women's Fashion
## 967	967	Delhi	3346	30	3.1	Women's Fashion
## 968	968	Banglore	2058	18	1.0	Laptop & Computers
## 969	969	Mumbai	1822	11	1.6	Laptop & Computers
## 970	970	Banglore	4783	7	4.9	Books
## 971	971	Mumbai	4894	29	4.8	Books
## 972	972	Chennai	4481	9	3.2	Books
## 973	973	Mumbai	2455	11	3.9	Laptop & Computers
## 974	974	Delhi	4740	18	2.8	Books
## 975	975	Delhi	4218	23	4.2	Women's Fashion
## 976	976	Banglore	2153	30	1.4	Laptop & Computers
## 977	977	Pune	3873	4	4.8	Women's Fashion
## 978	978	Mumbai	1361	7	2.1	Mobiles
## 979	979	Banglore	1997	10	0.7	Laptop & Computers
## 980	980	Banglore	2417	6	4.4	Laptop & Computers
## 981	981	Delhi	1379	21	3.6	Mobiles
## 982	982	Banglore	2215	16	5.0	Laptop & Computers
## 983	983	Mumbai	1632	10	3.9	Laptop & Computers
## 984	984	Pune	2365	30	0.2	Laptop & Computers
## 985	985	Mumbai	3422	22	0.4	Women's Fashion
## 986	986	Mumbai	1246	15	1.6	Mobiles
## 987	987	Pune	3049	16	3.7	Men's Fashion
## 988	988	Delhi	4223	23	2.0	Books
## 989	989	Mumbai	2239	33	1.7	Laptop & Computers
## 990	990	Mumbai	1983	15	4.0	Laptop & Computers
## 991	991	Chennai	3523	19	2.8	Women's Fashion
## 992	992	Banglore	4628	24	4.2	Books
## 993	993	Chennai	2270	11	4.8	Laptop & Computers
## 994	994	Chennai	4307	22	3.4	Books

## 995	995	Chennai	2454	24	1.0 Laptop & Computers
## 996	996	Delhi	1403	21	0.2 Laptop & Computers
## 997	997	Chennai	2389	21	3.9 Laptop & Computers
## 998	998	Chennai	4554	34	3.7 Books
## 999	999	Delhi	1332	33	4.2 Mobiles
## 1000	1000	Banglore	3641	21	2.2 Women's Fashion
##	MRP	Total	Review.Description		
## 1	11585	10426.50	Very Poor		
## 2	46750	31790.00	Poor		
## 3	110687	80801.51	Poor		
## 4	78030	53840.70	Poor		
## 5	6435	4633.20	Excellent		
## 6	25489	20391.20	Very Poor		
## 7	5808	5169.12	Good		
## 8	52574	46265.12	Poor		
## 9	2173	1542.83	Poor		
## 10	84722	59305.40	Good		
## 11	2752	2064.00	Very Poor		
## 12	105201	85212.81	Very Poor		
## 13	5673	5275.89	Very Poor		
## 14	47103	45218.88	Good		
## 15	122216	108772.24	Good		
## 16	5459	5131.46	Poor		
## 17	6789	5974.32	Good		
## 18	2858	2429.30	Excellent		
## 19	16298	11897.54	Neutral		
## 20	5495	3901.45	Poor		
## 21	52515	45162.90	Very Poor		
## 22	6077	4983.14	Excellent		
## 23	2591	1969.16	Excellent		
## 24	13080	9417.60	Good		
## 25	2220	1620.60	Poor		
## 26	83619	79438.05	Very Poor		
## 27	830	597.60	Very Poor		
## 28	5090	4377.40	Good		
## 29	2518	2039.58	Neutral		
## 30	148933	120635.73	Very Poor		
## 31	4395	2988.60	Good		
## 32	2100	1848.00	Poor		
## 33	9539	6486.52	Very Poor		
## 34	90520	83278.40	Good		
## 35	2483	2334.02	Very Poor		
## 36	15202	13985.84	Very Poor		
## 37	3746	2509.82	Excellent		
## 38	45704	31078.72	Excellent		
## 39	22484	20910.12	Very Poor		
## 40	51426	43197.84	Very Poor		
## 41	1967	1337.56	Poor		
## 42	15309	14237.37	Poor		
## 43	1488	1324.32	Excellent		
## 44	118706	111583.64	Very Poor		
## 45	998	848.30	Very Poor		
## 46	5613	4658.79	Good		
## 47	117478	88108.50	Very Poor		

## 48	14725	9718.50	Very Poor
## 49	62569	50055.20	Very Poor
## 50	2655	2256.75	Poor
## 51	2124	1869.12	Very Poor
## 52	1099	835.24	Very Poor
## 53	32990	26062.10	Very Poor
## 54	2988	2420.28	Poor
## 55	3003	2162.16	Good
## 56	77104	63996.32	Good
## 57	792	673.20	Good
## 58	10126	9012.14	Excellent
## 59	996	876.48	Excellent
## 60	2035	1933.25	Neutral
## 61	2996	2636.48	Very Poor
## 62	3803	2548.01	Neutral
## 63	4680	3650.40	Poor
## 64	147074	125012.90	Poor
## 65	3055	2596.75	Poor
## 66	1887	1698.30	Poor
## 67	60277	47016.06	Poor
## 68	101206	90073.34	Very Poor
## 69	4480	3987.20	Neutral
## 70	10622	9028.70	Poor
## 71	5991	4792.80	Very Poor
## 72	110628	74120.76	Excellent
## 73	2287	1783.86	Poor
## 74	2256	1556.64	Good
## 75	870	748.20	Very Poor
## 76	2569	1721.23	Excellent
## 77	6158	4803.24	Poor
## 78	117071	92486.09	Very Poor
## 79	1386	1094.94	Very Poor
## 80	868	642.32	Neutral
## 81	93795	68470.35	Very Poor
## 82	155998	123238.42	Poor
## 83	8941	6526.93	Very Poor
## 84	3201	2944.92	Poor
## 85	6233	5859.02	Excellent
## 86	3678	2501.04	Good
## 87	196	174.44	Poor
## 88	162936	128719.44	Very Poor
## 89	72527	52219.44	Very Poor
## 90	125488	97880.64	Good
## 91	1181	826.70	Poor
## 92	4398	3826.26	Neutral
## 93	15198	13374.24	Good
## 94	1552	1257.12	Very Poor
## 95	579	445.83	Good
## 96	13441	9274.29	Very Poor
## 97	1782	1532.52	Poor
## 98	1310	1113.50	Poor
## 99	7992	7672.32	Very Poor
## 100	2203	1828.49	Very Poor
## 101	1334	1000.50	Neutral

## 102	2607	1798.83	Poor
## 103	1113	1001.70	Poor
## 104	138731	102660.94	Poor
## 105	112651	81108.72	Excellent
## 106	1943	1593.26	Poor
## 107	4875	4290.00	Neutral
## 108	3896	3155.76	Poor
## 109	133137	121154.67	Good
## 110	5289	4918.77	Excellent
## 111	42917	36050.28	Good
## 112	72793	56050.61	Very Poor
## 113	4270	2860.90	Poor
## 114	114945	102301.05	Good
## 115	158319	142487.10	Poor
## 116	2259	2010.51	Very Poor
## 117	1301	871.67	Neutral
## 118	16929	13881.78	Good
## 119	24143	18590.11	Poor
## 120	64003	44162.07	Poor
## 121	5885	5178.80	Very Poor
## 122	115561	109782.95	Good
## 123	3067	2116.23	Neutral
## 124	30561	29338.56	Very Poor
## 125	3730	2536.40	Neutral
## 126	7354	5515.50	Good
## 127	1032	753.36	Very Poor
## 128	990	772.20	Excellent
## 129	6214	4474.08	Poor
## 130	11431	7544.46	Good
## 131	9376	7032.00	Very Poor
## 132	2953	2037.57	Excellent
## 133	1143	1017.27	Good
## 134	157109	124116.11	Neutral
## 135	3452	3175.84	Very Poor
## 136	1538	1353.44	Poor
## 137	115892	91554.68	Neutral
## 138	159683	138924.21	Poor
## 139	115073	90907.67	Good
## 140	109912	75839.28	Poor
## 141	91289	84898.77	Good
## 142	1217	1143.98	Good
## 143	113494	87390.38	Very Poor
## 144	124075	115389.75	Good
## 145	4604	3453.00	Very Poor
## 146	140207	98144.90	Poor
## 147	8410	7569.00	Neutral
## 148	1433	988.77	Poor
## 149	842	783.06	Very Poor
## 150	5720	3832.40	Poor
## 151	2233	2143.68	Poor
## 152	30896	21318.24	Neutral
## 153	1939	1745.10	Good
## 154	48485	32000.10	Very Poor
## 155	794	531.98	Good

## 156	162562	149557.04	Good
## 157	12791	8825.79	Poor
## 158	3145	2893.40	Very Poor
## 159	3182	2609.24	Very Poor
## 160	3858	3086.40	Excellent
## 161	1399	937.33	Poor
## 162	1282	1166.62	Very Poor
## 163	50356	43306.16	Excellent
## 164	761	624.02	Good
## 165	5455	4909.50	Excellent
## 166	63605	41979.30	Neutral
## 167	53419	50213.86	Poor
## 168	14684	11453.52	Poor
## 169	161035	123996.95	Good
## 170	9764	6834.80	Very Poor
## 171	1805	1281.55	Poor
## 172	140420	123569.60	Poor
## 173	43425	31266.00	Poor
## 174	52851	44394.84	Good
## 175	11411	10269.90	Good
## 176	1830	1281.00	Very Poor
## 177	6041	4349.52	Good
## 178	4787	4212.56	Good
## 179	12260	10298.40	Neutral
## 180	100691	94649.54	Excellent
## 181	37674	25995.06	Poor
## 182	77797	73129.18	Neutral
## 183	6635	5175.30	Good
## 184	59106	43738.44	Poor
## 185	2713	2333.18	Good
## 186	3696	2698.08	Excellent
## 187	149653	104757.10	Neutral
## 188	96602	89839.86	Neutral
## 189	680	578.00	Excellent
## 190	101205	85012.20	Very Poor
## 191	10353	9421.23	Very Poor
## 192	62212	47903.24	Very Poor
## 193	1584	1298.88	Poor
## 194	45541	37343.62	Very Poor
## 195	3897	2844.81	Very Poor
## 196	2273	1863.86	Poor
## 197	2838	2185.26	Neutral
## 198	6202	5519.78	Poor
## 199	43527	30033.63	Excellent
## 200	64912	53876.96	Excellent
## 201	4946	4500.86	Very Poor
## 202	3766	2560.88	Good
## 203	6219	5037.39	Neutral
## 204	154506	108154.20	Neutral
## 205	86232	57775.44	Very Poor
## 206	1049	828.71	Good
## 207	44550	31630.50	Good
## 208	20448	17789.76	Neutral
## 209	2105	1978.70	Poor

## 210	117993	92034.54	Poor
## 211	5377	3871.44	Good
## 212	395	296.25	Poor
## 213	5565	4507.65	Neutral
## 214	85947	76492.83	Good
## 215	1204	1107.68	Good
## 216	11447	10874.65	Very Poor
## 217	6745	6003.05	Poor
## 218	16980	14942.40	Poor
## 219	7431	5944.80	Neutral
## 220	15266	12365.46	Neutral
## 221	2765	1852.55	Excellent
## 222	130213	85940.58	Poor
## 223	51794	46096.66	Poor
## 224	4889	3471.19	Excellent
## 225	8149	7008.14	Very Poor
## 226	42456	33115.68	Excellent
## 227	86832	57309.12	Poor
## 228	147577	122488.91	Poor
## 229	786	542.34	Very Poor
## 230	171	116.28	Very Poor
## 231	28937	23728.34	Excellent
## 232	2015	1773.20	Very Poor
## 233	635	577.85	Excellent
## 234	95889	69998.97	Very Poor
## 235	97151	79663.82	Excellent
## 236	3095	2754.55	Poor
## 237	55787	45187.47	Very Poor
## 238	134329	90000.43	Good
## 239	4189	2764.74	Very Poor
## 240	6741	5123.16	Poor
## 241	1147	894.66	Very Poor
## 242	276	226.32	Poor
## 243	5651	4972.88	Poor
## 244	2094	1926.48	Very Poor
## 245	85944	81646.80	Poor
## 246	2328	1559.76	Poor
## 247	98004	90163.68	Excellent
## 248	6087	5295.69	Very Poor
## 249	89005	81884.60	Very Poor
## 250	16191	15381.45	Very Poor
## 251	3209	2150.03	Poor
## 252	4436	3105.20	Very Poor
## 253	6237	4365.90	Poor
## 254	88694	69181.32	Neutral
## 255	2149	1805.16	Very Poor
## 256	3035	2185.20	Neutral
## 257	9477	6349.59	Very Poor
## 258	10421	6877.86	Very Poor
## 259	938	675.36	Very Poor
## 260	1562	1358.94	Neutral
## 261	3910	3284.40	Neutral
## 262	128461	107907.24	Poor
## 263	7146	5359.50	Very Poor

## 264	2520	1915.20	Good
## 265	40042	30832.34	Poor
## 266	5582	4298.14	Excellent
## 267	82489	54442.74	Neutral
## 268	367	242.22	Very Poor
## 269	60115	48092.00	Very Poor
## 270	4066	3008.84	Neutral
## 271	14307	9871.83	Poor
## 272	6028	4822.40	Excellent
## 273	5528	4146.00	Very Poor
## 274	115868	79948.92	Neutral
## 275	3490	2861.80	Good
## 276	1333	1039.74	Excellent
## 277	2262	1741.74	Poor
## 278	24435	19548.00	Very Poor
## 279	1130	926.60	Poor
## 280	142271	105280.54	Neutral
## 281	3742	3292.96	Excellent
## 282	1826	1223.42	Poor
## 283	3359	2687.20	Good
## 284	15747	14014.83	Poor
## 285	116814	96955.62	Excellent
## 286	2519	2065.58	Very Poor
## 287	207	136.62	Very Poor
## 288	156105	112395.60	Poor
## 289	146922	121945.26	Excellent
## 290	5619	3933.30	Good
## 291	4345	4171.20	Good
## 292	3525	3102.00	Excellent
## 293	14180	12336.60	Neutral
## 294	40831	29806.63	Poor
## 295	8028	6663.24	Poor
## 296	39338	31470.40	Good
## 297	31367	22270.57	Poor
## 298	70882	65920.26	Very Poor
## 299	2886	2251.08	Excellent
## 300	59665	47135.35	Excellent
## 301	5622	4497.60	Excellent
## 302	14233	13379.02	Very Poor
## 303	8631	7250.04	Very Poor
## 304	5220	4541.40	Very Poor
## 305	2927	2341.60	Good
## 306	14779	12266.57	Good
## 307	17445	11513.70	Very Poor
## 308	11640	8497.20	Neutral
## 309	22117	20789.98	Poor
## 310	3797	3417.30	Neutral
## 311	3065	2881.10	Very Poor
## 312	11079	10414.26	Excellent
## 313	153019	143837.86	Good
## 314	140134	106501.84	Neutral
## 315	44152	37529.20	Very Poor
## 316	41766	28818.54	Poor
## 317	1004	963.84	Excellent

## 318	3509	2315.94	Excellent
## 319	115570	82054.70	Very Poor
## 320	81352	68335.68	Very Poor
## 321	2700	2403.00	Neutral
## 322	84594	65983.32	Poor
## 323	93585	73932.15	Neutral
## 324	74116	48916.56	Excellent
## 325	16927	15911.38	Good
## 326	2004	1703.40	Poor
## 327	13613	8984.58	Excellent
## 328	14047	9832.90	Excellent
## 329	4025	3300.50	Very Poor
## 330	1947	1849.65	Very Poor
## 331	5568	3674.88	Very Poor
## 332	1845	1605.15	Good
## 333	3377	2262.59	Good
## 334	129508	101016.24	Good
## 335	55336	40395.28	Poor
## 336	73182	68791.08	Neutral
## 337	6320	4297.60	Poor
## 338	70137	53304.12	Poor
## 339	59909	57512.64	Excellent
## 340	3748	2923.44	Poor
## 341	105995	85855.95	Poor
## 342	125673	115619.16	Very Poor
## 343	6829	5326.62	Good
## 344	11887	9271.86	Good
## 345	5800	4988.00	Poor
## 346	1043	959.56	Good
## 347	51174	36845.28	Good
## 348	5397	3669.96	Very Poor
## 349	5614	4491.20	Poor
## 350	46791	43047.72	Good
## 351	10670	9282.90	Very Poor
## 352	42824	33402.72	Poor
## 353	74505	70034.70	Poor
## 354	12346	8642.20	Good
## 355	12851	10023.78	Excellent
## 356	77253	65665.05	Very Poor
## 357	4496	3237.12	Good
## 358	47856	36849.12	Poor
## 359	139711	131328.34	Good
## 360	2831	2179.87	Very Poor
## 361	16169	12935.20	Very Poor
## 362	2379	1879.41	Excellent
## 363	3489	2826.09	Good
## 364	16975	16296.00	Good
## 365	113947	94576.01	Excellent
## 366	115739	97220.76	Very Poor
## 367	3706	3261.28	Poor
## 368	55090	49581.00	Neutral
## 369	1629	1498.68	Very Poor
## 370	1352	1297.92	Neutral
## 371	2696	1914.16	Good

## 372	71899	49610.31	Very Poor
## 373	2584	2428.96	Very Poor
## 374	159683	143714.70	Neutral
## 375	68550	55525.50	Very Poor
## 376	60077	51666.22	Good
## 377	63906	61349.76	Poor
## 378	220	189.20	Very Poor
## 379	151324	105926.80	Neutral
## 380	1739	1199.91	Very Poor
## 381	54907	44474.67	Neutral
## 382	60970	48166.30	Excellent
## 383	121276	103084.60	Neutral
## 384	30342	22149.66	Poor
## 385	8181	7362.90	Poor
## 386	564	377.88	Excellent
## 387	89250	68722.50	Very Poor
## 388	5665	3795.55	Very Poor
## 389	5582	4577.24	Poor
## 390	1195	1111.35	Good
## 391	155941	120074.57	Good
## 392	10980	8784.00	Very Poor
## 393	99103	77300.34	Very Poor
## 394	107040	96336.00	Good
## 395	4839	3967.98	Good
## 396	806	677.04	Very Poor
## 397	3107	2765.23	Very Poor
## 398	13971	12294.48	Good
## 399	6344	5392.40	Good
## 400	37955	29984.45	Poor
## 401	2597	1739.99	Excellent
## 402	3779	2758.67	Good
## 403	134375	100781.25	Neutral
## 404	991	703.61	Very Poor
## 405	707	494.90	Neutral
## 406	115644	95984.52	Very Poor
## 407	63881	51743.61	Very Poor
## 408	78547	53411.96	Poor
## 409	133565	126886.75	Excellent
## 410	2413	2051.05	Neutral
## 411	10092	7266.24	Neutral
## 412	5802	4351.50	Very Poor
## 413	1062	945.18	Neutral
## 414	148103	117001.37	Poor
## 415	15108	13899.36	Good
## 416	98450	69899.50	Poor
## 417	742	623.28	Very Poor
## 418	1378	1226.42	Neutral
## 419	2126	1573.24	Good
## 420	3397	2887.45	Excellent
## 421	139598	124242.22	Excellent
## 422	4574	3384.76	Good
## 423	4451	3026.68	Excellent
## 424	85815	77233.50	Very Poor
## 425	895	724.95	Very Poor

## 426	930	874.20	Excellent
## 427	95984	71988.00	Neutral
## 428	9097	8460.21	Excellent
## 429	15222	10959.84	Excellent
## 430	2536	1952.72	Poor
## 431	73301	48378.66	Excellent
## 432	93016	63250.88	Neutral
## 433	3276	2850.12	Poor
## 434	145686	131117.40	Very Poor
## 435	10211	7351.92	Very Poor
## 436	33727	24620.71	Poor
## 437	159698	145325.18	Very Poor
## 438	5738	4475.64	Poor
## 439	803	746.79	Very Poor
## 440	45074	37862.16	Neutral
## 441	3414	2731.20	Poor
## 442	60588	55740.96	Good
## 443	44865	30956.85	Poor
## 444	88048	58992.16	Poor
## 445	237	173.01	Poor
## 446	1343	940.10	Poor
## 447	7281	6771.33	Poor
## 448	2111	1456.59	Good
## 449	11879	7840.14	Poor
## 450	2124	1444.32	Very Poor
## 451	33204	28887.48	Poor
## 452	56019	42574.44	Very Poor
## 453	147398	141502.08	Poor
## 454	2252	1531.36	Poor
## 455	3276	2686.32	Good
## 456	135264	90626.88	Poor
## 457	43621	41003.74	Poor
## 458	6213	5094.66	Poor
## 459	15570	13078.80	Poor
## 460	6167	4933.60	Poor
## 461	289	242.76	Poor
## 462	3807	3616.65	Very Poor
## 463	4527	3440.52	Good
## 464	3431	2916.35	Neutral
## 465	14559	11938.38	Good
## 466	63455	60282.25	Very Poor
## 467	1751	1260.72	Poor
## 468	147732	119662.92	Neutral
## 469	2714	2035.50	Neutral
## 470	126472	99912.88	Neutral
## 471	1885	1583.40	Neutral
## 472	129333	115106.37	Poor
## 473	4554	3233.34	Excellent
## 474	16340	14869.40	Good
## 475	163946	139354.10	Very Poor
## 476	87647	73623.48	Good
## 477	7917	7521.15	Poor
## 478	94113	87525.09	Poor
## 479	306	214.20	Poor

## 480	12076	10264.60	Poor
## 481	13975	13136.50	Good
## 482	2012	1730.32	Poor
## 483	12269	10305.96	Excellent
## 484	109982	73687.94	Good
## 485	29235	26896.20	Very Poor
## 486	660	468.60	Good
## 487	4497	3507.66	Neutral
## 488	41328	38021.76	Neutral
## 489	128206	84615.96	Very Poor
## 490	11755	11284.80	Poor
## 491	4758	4329.78	Excellent
## 492	45098	37882.32	Very Poor
## 493	5114	4704.88	Very Poor
## 494	5498	4178.48	Poor
## 495	6384	4724.16	Good
## 496	1877	1520.37	Poor
## 497	8807	5900.69	Excellent
## 498	135592	130168.32	Poor
## 499	2328	2002.08	Neutral
## 500	3087	2068.29	Good
## 501	3965	3132.35	Poor
## 502	1857	1559.88	Poor
## 503	108193	78980.89	Poor
## 504	1257	942.75	Good
## 505	50479	47955.05	Good
## 506	2522	2421.12	Poor
## 507	3785	3482.20	Very Poor
## 508	1125	877.50	Good
## 509	11759	9524.79	Poor
## 510	4632	4215.12	Excellent
## 511	2403	1826.28	Neutral
## 512	15564	12762.48	Good
## 513	13153	9075.57	Poor
## 514	6069	5401.41	Very Poor
## 515	2319	2133.48	Neutral
## 516	129383	104800.23	Excellent
## 517	150641	141602.54	Good
## 518	146852	114544.56	Very Poor
## 519	12777	9710.52	Poor
## 520	50769	42138.27	Neutral
## 521	3096	2229.12	Excellent
## 522	80768	62999.04	Excellent
## 523	15353	10747.10	Good
## 524	3509	2701.93	Excellent
## 525	118589	84198.19	Good
## 526	10245	9322.95	Excellent
## 527	3115	2367.40	Very Poor
## 528	3769	3618.24	Very Poor
## 529	9642	7424.34	Very Poor
## 530	87942	68594.76	Very Poor
## 531	114002	108301.90	Good
## 532	2724	1961.28	Good
## 533	2543	2390.42	Poor

## 534	1741	1166.47	Poor
## 535	10648	7240.64	Very Poor
## 536	34633	31169.70	Good
## 537	5325	3514.50	Good
## 538	162100	121575.00	Neutral
## 539	3428	2776.68	Excellent
## 540	4139	2938.69	Poor
## 541	10378	7783.50	Good
## 542	107500	77400.00	Neutral
## 543	13063	9927.88	Excellent
## 544	1122	987.36	Very Poor
## 545	150653	117509.34	Good
## 546	11820	10283.40	Very Poor
## 547	2746	2196.80	Good
## 548	116030	103266.70	Excellent
## 549	3458	2731.82	Excellent
## 550	144291	111104.07	Very Poor
## 551	14551	10331.21	Poor
## 552	4014	3612.60	Poor
## 553	149271	113445.96	Very Poor
## 554	2602	1899.46	Poor
## 555	4903	3726.28	Good
## 556	117746	88309.50	Poor
## 557	19995	15196.20	Good
## 558	629	459.17	Excellent
## 559	2636	2082.44	Very Poor
## 560	5308	4458.72	Excellent
## 561	2257	2076.44	Very Poor
## 562	882	829.08	Excellent
## 563	129610	119241.20	Good
## 564	76454	62692.28	Very Poor
## 565	16763	11566.47	Excellent
## 566	16721	15717.74	Neutral
## 567	122943	81142.38	Good
## 568	3486	2649.36	Good
## 569	56698	45925.38	Very Poor
## 570	39273	27098.37	Good
## 571	51413	34960.84	Very Poor
## 572	140852	129583.84	Poor
## 573	1818	1672.56	Poor
## 574	9592	8632.80	Good
## 575	129832	103865.60	Good
## 576	3589	2476.41	Good
## 577	6802	5237.54	Neutral
## 578	4791	3689.07	Very Poor
## 579	3167	2375.25	Very Poor
## 580	41244	35057.40	Excellent
## 581	35200	28160.00	Good
## 582	50880	42230.40	Good
## 583	5942	5466.64	Poor
## 584	15044	14442.24	Poor
## 585	339	315.27	Neutral
## 586	136811	91663.37	Very Poor
## 587	111475	83606.25	Poor

## 588	5714	5428.30	Poor
## 589	3651	3249.39	Good
## 590	3715	2860.55	Very Poor
## 591	28475	23064.75	Good
## 592	9819	6873.30	Poor
## 593	89397	75987.45	Excellent
## 594	11713	10775.96	Very Poor
## 595	144192	99492.48	Very Poor
## 596	15389	13850.10	Excellent
## 597	1140	877.80	Good
## 598	406	324.80	Very Poor
## 599	30838	24362.02	Good
## 600	3092	2040.72	Neutral
## 601	10693	9302.91	Poor
## 602	5299	3709.30	Excellent
## 603	2099	1511.28	Poor
## 604	538	392.74	Poor
## 605	63171	44851.41	Poor
## 606	3776	3171.84	Good
## 607	2521	1689.07	Poor
## 608	94538	83193.44	Excellent
## 609	3654	2630.88	Very Poor
## 610	15267	10381.56	Poor
## 611	2205	1565.55	Very Poor
## 612	163975	136099.25	Excellent
## 613	23796	18322.92	Poor
## 614	6313	5302.92	Neutral
## 615	90513	61548.84	Excellent
## 616	3589	2512.30	Good
## 617	8065	6371.35	Poor
## 618	8046	7724.16	Poor
## 619	5354	4925.68	Poor
## 620	37735	26414.50	Good
## 621	3997	3557.33	Poor
## 622	1257	942.75	Neutral
## 623	24784	23792.64	Good
## 624	93349	72812.22	Poor
## 625	715	657.80	Very Poor
## 626	3373	2833.32	Excellent
## 627	2409	1903.11	Poor
## 628	1437	1063.38	Good
## 629	1552	1039.84	Excellent
## 630	2672	2084.16	Poor
## 631	1843	1455.97	Good
## 632	2187	1924.56	Neutral
## 633	10978	8892.18	Excellent
## 634	1660	1411.00	Good
## 635	9567	7940.61	Very Poor
## 636	143438	137700.48	Poor
## 637	2498	2173.26	Poor
## 638	125326	115299.92	Poor
## 639	3374	2867.90	Excellent
## 640	58177	38978.59	Good
## 641	20759	18475.51	Poor

## 642	5544	5045.04	Neutral
## 643	343	233.24	Very Poor
## 644	82991	63903.07	Good
## 645	1109	987.01	Neutral
## 646	5737	5335.41	Good
## 647	4066	3578.08	Poor
## 648	58096	54610.24	Good
## 649	10266	8212.80	Good
## 650	164110	121441.40	Very Poor
## 651	3145	2799.05	Neutral
## 652	154753	103684.51	Good
## 653	6939	5689.98	Neutral
## 654	5150	4841.00	Neutral
## 655	93385	81244.95	Excellent
## 656	164435	134836.70	Very Poor
## 657	6241	4306.29	Excellent
## 658	43321	37689.27	Poor
## 659	596	494.68	Very Poor
## 660	89542	73424.44	Very Poor
## 661	50566	41464.12	Very Poor
## 662	6735	5118.60	Poor
## 663	112249	88676.71	Excellent
## 664	52728	41655.12	Excellent
## 665	2380	2023.00	Good
## 666	14521	11762.01	Very Poor
## 667	3494	3074.72	Good
## 668	159385	122726.45	Very Poor
## 669	162862	143318.56	Poor
## 670	25865	21467.95	Neutral
## 671	3219	2800.53	Good
## 672	66092	54856.36	Excellent
## 673	14839	12613.15	Poor
## 674	2881	2333.61	Very Poor
## 675	32442	28548.96	Excellent
## 676	152280	140097.60	Excellent
## 677	1316	908.04	Poor
## 678	3814	3165.62	Poor
## 679	152744	100811.04	Good
## 680	125832	114507.12	Very Poor
## 681	1216	851.20	Poor
## 682	924	794.64	Excellent
## 683	1282	1102.52	Poor
## 684	3740	3253.80	Poor
## 685	3789	3485.88	Very Poor
## 686	16621	12299.54	Poor
## 687	86718	64171.32	Very Poor
## 688	69911	51734.14	Poor
## 689	845	709.80	Poor
## 690	2338	2174.34	Very Poor
## 691	3795	3187.80	Good
## 692	5504	3687.68	Good
## 693	92356	77579.04	Very Poor
## 694	6759	5677.56	Good
## 695	7466	6047.46	Poor

## 696	3694	3435.42	Very Poor
## 697	1797	1671.21	Very Poor
## 698	16416	11983.68	Good
## 699	1665	1182.15	Very Poor
## 700	5159	4024.02	Poor
## 701	9697	6400.02	Very Poor
## 702	2181	1875.66	Good
## 703	5250	3832.50	Very Poor
## 704	16990	11553.20	Very Poor
## 705	951	684.72	Neutral
## 706	10610	9761.20	Very Poor
## 707	130202	98953.52	Poor
## 708	14298	9436.68	Excellent
## 709	6253	5440.11	Good
## 710	8131	7480.52	Poor
## 711	3565	2566.80	Good
## 712	118986	85669.92	Good
## 713	114783	94122.06	Neutral
## 714	11147	10366.71	Good
## 715	123449	102462.67	Very Poor
## 716	50188	39648.52	Very Poor
## 717	1257	1093.59	Excellent
## 718	3240	3078.00	Neutral
## 719	2530	2277.00	Very Poor
## 720	1386	1302.84	Neutral
## 721	13476	10915.56	Very Poor
## 722	298	244.36	Poor
## 723	393	275.10	Poor
## 724	2888	2339.28	Poor
## 725	5390	4096.40	Neutral
## 726	130717	87580.39	Very Poor
## 727	155310	104057.70	Good
## 728	2183	2030.19	Very Poor
## 729	623	411.18	Very Poor
## 730	141910	102175.20	Good
## 731	29683	23152.74	Very Poor
## 732	122514	100461.48	Good
## 733	55574	38901.80	Very Poor
## 734	86162	74960.94	Good
## 735	108574	85773.46	Poor
## 736	7672	5216.96	Poor
## 737	16022	15220.90	Neutral
## 738	2212	1725.36	Poor
## 739	6014	5111.90	Very Poor
## 740	2622	1914.06	Poor
## 741	2515	1936.55	Poor
## 742	93966	63896.88	Neutral
## 743	991	693.70	Good
## 744	7478	6356.30	Good
## 745	2817	2084.58	Neutral
## 746	41273	39622.08	Excellent
## 747	2154	1873.98	Excellent
## 748	2428	1675.32	Very Poor
## 749	91400	81346.00	Good

## 750	152048	121638.40	Neutral
## 751	13984	9648.96	Excellent
## 752	1586	1046.76	Very Poor
## 753	124230	115533.90	Neutral
## 754	140031	105023.25	Very Poor
## 755	1534	1273.22	Very Poor
## 756	3121	2184.70	Poor
## 757	945	793.80	Very Poor
## 758	12810	9607.50	Excellent
## 759	2218	2107.10	Poor
## 760	10855	8792.55	Good
## 761	111710	100539.00	Very Poor
## 762	128344	120643.36	Excellent
## 763	1969	1319.23	Good
## 764	12247	8817.84	Very Poor
## 765	46645	33117.95	Very Poor
## 766	1102	771.40	Good
## 767	1558	1277.56	Very Poor
## 768	115155	107094.15	Very Poor
## 769	3501	2520.72	Good
## 770	3340	2738.80	Very Poor
## 771	2967	2017.56	Neutral
## 772	6061	4606.36	Excellent
## 773	8309	6979.56	Poor
## 774	57677	38643.59	Very Poor
## 775	14278	12564.64	Poor
## 776	94535	74682.65	Very Poor
## 777	1417	1275.30	Excellent
## 778	5155	3608.50	Neutral
## 779	4685	4216.50	Neutral
## 780	6277	5586.53	Neutral
## 781	72862	69947.52	Good
## 782	3199	2335.27	Excellent
## 783	40214	34584.04	Very Poor
## 784	354	336.30	Neutral
## 785	45452	30452.84	Neutral
## 786	3723	3052.86	Neutral
## 787	70392	52090.08	Excellent
## 788	1451	1247.86	Excellent
## 789	99522	80612.82	Neutral
## 790	138019	102134.06	Poor
## 791	3219	2285.49	Neutral
## 792	4473	2952.18	Good
## 793	3575	3003.00	Very Poor
## 794	48965	34765.15	Good
## 795	15760	11662.40	Very Poor
## 796	3612	3106.32	Very Poor
## 797	120307	113088.58	Very Poor
## 798	2031	1421.70	Very Poor
## 799	87865	70292.00	Good
## 800	2466	1997.46	Very Poor
## 801	95883	76706.40	Excellent
## 802	38652	35173.32	Excellent
## 803	1743	1481.55	Very Poor

## 804	9548	8306.76	Good
## 805	3555	3199.50	Poor
## 806	1047	816.66	Excellent
## 807	5811	3893.37	Good
## 808	149175	134257.50	Good
## 809	59654	46530.12	Poor
## 810	49497	38607.66	Neutral
## 811	1634	1356.22	Very Poor
## 812	1952	1620.16	Very Poor
## 813	8421	5810.49	Very Poor
## 814	58319	46655.20	Neutral
## 815	34535	27973.35	Good
## 816	10946	8866.26	Very Poor
## 817	12864	11706.24	Very Poor
## 818	3824	3212.16	Poor
## 819	16253	11539.63	Very Poor
## 820	41889	32254.53	Good
## 821	1292	956.08	Excellent
## 822	58110	45906.90	Good
## 823	2182	1723.78	Very Poor
## 824	44634	31690.14	Poor
## 825	148062	108085.26	Good
## 826	60255	42781.05	Excellent
## 827	40043	36439.13	Poor
## 828	149041	101347.88	Good
## 829	961	691.92	Excellent
## 830	39258	37687.68	Poor
## 831	2042	1572.34	Excellent
## 832	2146	1695.34	Poor
## 833	90794	72635.20	Poor
## 834	2837	2695.15	Poor
## 835	52579	48898.47	Excellent
## 836	1566	1315.44	Good
## 837	2950	2802.50	Good
## 838	2099	1784.15	Excellent
## 839	2168	1539.28	Poor
## 840	5101	4692.92	Good
## 841	37508	31506.72	Poor
## 842	5171	4809.03	Neutral
## 843	1882	1787.90	Good
## 844	5993	4434.82	Very Poor
## 845	95730	83285.10	Poor
## 846	4692	4269.72	Good
## 847	319	296.67	Good
## 848	50563	44495.44	Good
## 849	125758	120727.68	Neutral
## 850	3013	2229.62	Excellent
## 851	128052	103722.12	Very Poor
## 852	73557	52961.04	Poor
## 853	62952	58545.36	Very Poor
## 854	2942	2324.18	Poor
## 855	67402	62683.86	Neutral
## 856	2110	1814.60	Poor
## 857	777	730.38	Poor

## 858	113884	102495.60	Excellent
## 859	1964	1610.48	Poor
## 860	1134	986.58	Poor
## 861	125763	104383.29	Poor
## 862	1031	690.77	Very Poor
## 863	50908	47344.44	Poor
## 864	2960	2812.00	Good
## 865	8959	7704.74	Excellent
## 866	10283	7506.59	Neutral
## 867	1437	977.16	Poor
## 868	56664	41931.36	Excellent
## 869	41572	30763.28	Very Poor
## 870	5170	3877.50	Neutral
## 871	906	697.62	Poor
## 872	159198	132134.34	Good
## 873	2964	2578.68	Good
## 874	159612	134074.08	Very Poor
## 875	146631	104108.01	Very Poor
## 876	3922	2706.18	Good
## 877	9180	7986.60	Very Poor
## 878	4183	3597.38	Good
## 879	156517	148691.15	Poor
## 880	163106	150057.52	Neutral
## 881	3259	2965.69	Excellent
## 882	6116	5137.44	Poor
## 883	1212	981.72	Very Poor
## 884	63547	46389.31	Excellent
## 885	375	247.50	Neutral
## 886	1677	1173.90	Very Poor
## 887	1614	1501.02	Poor
## 888	15816	11071.20	Poor
## 889	1606	1108.14	Poor
## 890	1412	1313.16	Neutral
## 891	65499	60259.08	Excellent
## 892	3705	3556.80	Excellent
## 893	3820	3132.40	Excellent
## 894	119809	98243.38	Excellent
## 895	41622	39124.68	Good
## 896	122774	105585.64	Very Poor
## 897	45323	32179.33	Neutral
## 898	130227	122413.38	Neutral
## 899	124408	88329.68	Poor
## 900	48916	40600.28	Poor
## 901	9027	7943.76	Good
## 902	44105	41458.70	Very Poor
## 903	2810	2304.20	Very Poor
## 904	3784	2686.64	Very Poor
## 905	13173	11328.78	Poor
## 906	15458	11129.76	Excellent
## 907	987	710.64	Poor
## 908	1338	1057.02	Poor
## 909	78242	53986.98	Very Poor
## 910	4178	3509.52	Poor
## 911	2514	2287.74	Very Poor

## 912	10479	8383.20	Poor
## 913	4166	3749.40	Poor
## 914	140477	130643.61	Poor
## 915	870	739.50	Very Poor
## 916	3060	2692.80	Neutral
## 917	1074	816.24	Poor
## 918	13005	11834.55	Good
## 919	5170	4963.20	Neutral
## 920	630	579.60	Very Poor
## 921	130027	123525.65	Very Poor
## 922	1094	776.74	Poor
## 923	61436	41162.12	Neutral
## 924	125021	102517.22	Excellent
## 925	3690	2878.20	Poor
## 926	124664	107211.04	Good
## 927	81973	55741.64	Very Poor
## 928	3445	3100.50	Good
## 929	5152	3967.04	Good
## 930	78205	63346.05	Very Poor
## 931	3656	2412.96	Good
## 932	8093	7769.28	Poor
## 933	1473	1384.62	Poor
## 934	52822	46483.36	Very Poor
## 935	2394	1963.08	Very Poor
## 936	930	781.20	Good
## 937	5068	3598.28	Poor
## 938	1458	1078.92	Poor
## 939	158245	104441.70	Poor
## 940	3652	3432.88	Poor
## 941	265	177.55	Poor
## 942	10706	8350.68	Excellent
## 943	4162	3412.84	Poor
## 944	70743	66498.42	Excellent
## 945	111865	83898.75	Good
## 946	51370	38527.50	Very Poor
## 947	48470	36352.50	Very Poor
## 948	11241	8093.52	Poor
## 949	119484	112314.96	Poor
## 950	3706	3298.34	Excellent
## 951	2783	2643.85	Very Poor
## 952	2566	2360.72	Very Poor
## 953	481	331.89	Excellent
## 954	68451	60921.39	Good
## 955	15902	14152.78	Very Poor
## 956	1190	797.30	Neutral
## 957	3229	2873.81	Good
## 958	1633	1486.03	Poor
## 959	91141	83849.72	Very Poor
## 960	1367	956.90	Poor
## 961	5745	4021.50	Very Poor
## 962	5281	5069.76	Poor
## 963	2293	1903.19	Very Poor
## 964	1075	881.50	Very Poor
## 965	95986	86387.40	Good

## 966	5313	4675.44	Very Poor
## 967	1503	1052.10	Neutral
## 968	133902	109799.64	Very Poor
## 969	106781	95035.09	Poor
## 970	1453	1351.29	Excellent
## 971	932	661.72	Excellent
## 972	2970	2702.70	Neutral
## 973	101516	90349.24	Good
## 974	2023	1658.86	Poor
## 975	16386	12617.22	Good
## 976	140954	98667.80	Very Poor
## 977	1090	1046.40	Excellent
## 978	52388	48720.84	Poor
## 979	131960	118764.00	Very Poor
## 980	101188	95116.72	Good
## 981	40660	32121.40	Good
## 982	118289	99362.76	Excellent
## 983	122163	109946.70	Good
## 984	74256	51979.20	Very Poor
## 985	13320	10389.60	Very Poor
## 986	29043	24686.55	Poor
## 987	1279	1074.36	Good
## 988	3077	2369.29	Poor
## 989	141105	94540.35	Poor
## 990	73353	62350.05	Good
## 991	8613	6976.53	Poor
## 992	2811	2136.36	Good
## 993	54804	48775.56	Excellent
## 994	2767	2158.26	Neutral
## 995	114375	86925.00	Very Poor
## 996	68845	54387.55	Very Poor
## 997	112731	89057.49	Good
## 998	2941	1941.06	Good
## 999	18682	12516.94	Good
## 1000	13242	10461.18	Poor

The End

Name: Krish Agarwal
Registration Number: 21112016
Class: 2BSc DS A
R for Analytics
Lab 7

Q1) Create a dataframe of 1000 observations with variables Application ID (7 digit),GRE Score [out of 350],TOEFL Score [out of 500], Previous University category [factor variable out of 5],CGPA [out of 10-decimal value] Research Interest [either 0 or 1].

```
set.seed(25)

application_ID <- sample(seq(from = 2000001, to = 2001000))
gre <- sample(c(1:350), 1000, replace = T)
toefl <- sample(c(1:500), 1000, replace = T)
prev_uni_cat <- as.factor(sample(c(0:5), 1000, replace = T))
cgpa <- sample(seq(from = 0, to = 10, by = 0.1), 1000, replace = T)
res_int <- sample(c(0,1), 1000, replace = T)

data_frame <- data.frame("Application Number" = application_ID, "GRE Score" = gre, "TOEFL Score" = toefl,
data_frame
```

	Application.Number	GRE.Score	TOEFL.Score	Previous.Category	CGPA
## 1	2000647	307	112	3	2.5
## 2	2000477	128	469	5	2.2
## 3	2000536	284	82	0	3.7
## 4	2000444	298	216	5	0.1
## 5	2000985	290	93	3	7.9
## 6	2000049	286	481	0	7.1
## 7	2000072	55	79	0	2.5
## 8	2000617	172	227	2	8.6
## 9	2000282	314	36	3	6.9
## 10	2000059	19	248	0	3.1
## 11	2000272	344	156	4	4.2
## 12	2000356	56	401	5	4.9
## 13	2000705	166	431	2	6.4
## 14	2000520	186	58	5	6.9
## 15	2000451	114	130	0	4.8
## 16	2000553	187	226	3	9.4
## 17	2000620	247	19	4	8.9
## 18	2000998	227	102	1	0.7
## 19	2000698	263	499	4	0.4
## 20	2000619	256	93	2	6.9
## 21	2000879	256	219	4	8.3
## 22	2000949	178	441	0	9.4
## 23	2000889	232	173	4	0.7
## 24	2000696	274	248	5	5.6
## 25	2000226	266	106	4	9.5
## 26	2000665	160	493	4	0.8
## 27	2000971	97	381	5	2.9
## 28	2000112	280	122	5	7.2
## 29	2000240	265	156	3	8.6

## 30	2000701	2	83	2	6.1
## 31	2000361	115	438	3	5.5
## 32	2000157	114	366	1	4.1
## 33	2000517	340	92	1	9.2
## 34	2000259	329	371	2	9.3
## 35	2000869	303	343	0	7.5
## 36	2000094	210	377	4	3.9
## 37	2000957	54	237	0	5.9
## 38	2000004	169	253	0	8.5
## 39	2000941	77	280	3	7.8
## 40	2000541	290	397	0	1.9
## 41	2000132	37	80	2	5.1
## 42	2000296	350	387	5	0.1
## 43	2000643	313	357	2	6.4
## 44	2000302	221	139	5	2.6
## 45	2000438	215	303	1	0.0
## 46	2000319	175	9	3	4.0
## 47	2000625	302	435	2	1.1
## 48	2000908	77	301	1	9.4
## 49	2000649	201	191	0	9.1
## 50	2000405	108	21	4	8.2
## 51	2000274	7	229	4	1.6
## 52	2000560	293	136	0	1.5
## 53	2000761	314	189	3	9.4
## 54	2000718	136	311	4	5.3
## 55	2000012	151	453	3	4.4
## 56	2000777	261	99	5	1.5
## 57	2000514	252	83	0	3.7
## 58	2000393	242	40	0	2.7
## 59	2000126	331	237	4	1.7
## 60	2000531	6	199	3	2.3
## 61	2000396	319	37	0	1.3
## 62	2000716	328	227	3	1.6
## 63	2000775	20	442	5	3.2
## 64	2000275	248	446	0	0.3
## 65	2000959	334	338	3	8.8
## 66	2000936	248	238	5	6.4
## 67	2000812	242	385	2	6.6
## 68	2000830	190	55	0	0.4
## 69	2000819	310	44	1	6.0
## 70	2000828	12	380	1	8.7
## 71	2000608	173	148	0	6.3
## 72	2000715	147	468	2	7.8
## 73	2000926	334	237	2	7.8
## 74	2000937	279	133	2	4.6
## 75	2000594	29	91	4	8.3
## 76	2000786	93	293	4	0.1
## 77	2000439	69	40	5	2.5
## 78	2000088	349	217	4	8.4
## 79	2000402	171	345	1	3.0
## 80	2000760	3	302	5	9.5
## 81	2000709	235	129	2	1.6
## 82	2000861	83	267	5	0.7
## 83	2000392	177	246	5	9.6

## 84	2000242	226	307	0	7.4
## 85	2000948	39	106	1	4.2
## 86	2000787	65	50	0	4.1
## 87	2000991	243	198	1	0.4
## 88	2000170	103	35	3	5.2
## 89	2000905	154	401	5	2.1
## 90	2000624	213	342	4	4.4
## 91	2000212	311	451	0	5.1
## 92	2000931	256	243	3	4.5
## 93	2000843	310	123	4	0.8
## 94	2000780	200	246	2	7.3
## 95	2000033	155	441	4	0.3
## 96	2000662	243	466	1	4.7
## 97	2000508	67	19	4	4.1
## 98	2000839	33	243	0	8.6
## 99	2000695	10	266	0	8.6
## 100	2000345	149	20	4	4.4
## 101	2000751	237	375	2	8.5
## 102	2000809	8	171	3	5.1
## 103	2000720	64	105	3	3.6
## 104	2000710	62	316	3	9.5
## 105	2000708	93	52	5	0.7
## 106	2000173	185	421	2	10.0
## 107	2000404	185	21	3	8.1
## 108	2000808	10	202	5	0.2
## 109	2000071	141	86	4	2.0
## 110	2000040	282	33	2	9.7
## 111	2000702	94	381	4	5.8
## 112	2000847	218	399	5	7.8
## 113	2000340	231	242	5	0.8
## 114	2000860	137	189	5	8.1
## 115	2000201	272	461	0	3.8
## 116	2000194	53	104	4	7.9
## 117	2000700	275	334	4	3.1
## 118	2000737	159	66	1	4.4
## 119	2000999	262	437	2	4.2
## 120	2000342	16	251	1	4.1
## 121	2000216	283	374	5	9.4
## 122	2000051	17	391	0	3.1
## 123	2000415	87	88	4	1.8
## 124	2000956	334	344	4	7.1
## 125	2000028	245	479	1	8.5
## 126	2000229	221	325	3	3.0
## 127	2000713	250	106	0	0.3
## 128	2000426	190	456	4	3.8
## 129	2000338	340	213	0	0.5
## 130	2000636	148	55	1	7.3
## 131	2000896	12	274	5	3.5
## 132	2000483	120	422	4	8.3
## 133	2000628	39	152	5	7.0
## 134	2000164	56	74	3	2.3
## 135	2000854	46	449	4	2.8
## 136	2000411	263	327	0	2.3
## 137	2000455	105	434	5	2.7

## 138	2000060	296	97	2	2.6
## 139	2000612	57	489	2	5.5
## 140	2000942	161	230	5	3.2
## 141	2000481	252	280	4	8.2
## 142	2000871	90	332	3	5.9
## 143	2000391	350	264	0	5.8
## 144	2000878	102	437	0	4.5
## 145	2000357	236	279	5	1.7
## 146	2000900	176	148	4	9.5
## 147	2000081	47	134	2	8.3
## 148	2000919	238	249	2	2.7
## 149	2000294	334	154	0	9.1
## 150	2000495	177	108	2	8.4
## 151	2000423	264	132	4	3.2
## 152	2000799	8	399	3	0.9
## 153	2000515	11	114	4	2.7
## 154	2000500	236	229	2	10.0
## 155	2000123	241	426	2	2.7
## 156	2000410	98	494	0	9.3
## 157	2000489	16	165	3	1.7
## 158	2000537	156	439	0	9.4
## 159	2000109	42	404	2	9.8
## 160	2000443	315	435	1	4.2
## 161	2000916	199	167	1	6.2
## 162	2000457	312	326	0	0.4
## 163	2000685	174	290	3	1.9
## 164	2000067	10	89	3	4.6
## 165	2000876	285	23	5	7.4
## 166	2000739	217	99	2	7.4
## 167	2000902	44	333	3	9.5
## 168	2000011	217	403	1	5.5
## 169	2000512	233	216	2	7.1
## 170	2000292	347	174	5	2.8
## 171	2000940	39	328	0	0.8
## 172	2000493	248	189	1	5.4
## 173	2000486	332	140	2	0.9
## 174	2000724	127	491	0	5.4
## 175	2000207	43	391	4	5.2
## 176	2000921	251	277	1	2.3
## 177	2000303	288	238	0	5.8
## 178	2000910	283	399	2	6.2
## 179	2000572	327	337	4	6.3
## 180	2000046	277	479	2	6.0
## 181	2000230	346	247	0	4.5
## 182	2000816	77	402	4	0.4
## 183	2000251	216	372	1	6.1
## 184	2000210	289	385	0	8.9
## 185	2000602	9	1	0	2.6
## 186	2000003	71	72	3	0.4
## 187	2000019	150	57	4	1.6
## 188	2000025	170	191	0	8.9
## 189	2000182	98	238	4	0.4
## 190	2000898	94	215	0	2.4
## 191	2000488	239	110	5	5.1

## 192	2000037	61	404	3	2.7
## 193	2000544	274	344	0	6.3
## 194	2000241	178	22	2	9.2
## 195	2000144	170	434	3	6.4
## 196	2000511	322	68	0	7.4
## 197	2000680	52	61	5	2.8
## 198	2000346	330	12	4	6.9
## 199	2000747	216	410	5	4.2
## 200	2000499	320	92	0	9.1
## 201	2000223	308	289	2	8.2
## 202	2000096	13	165	1	6.5
## 203	2000859	297	490	4	6.3
## 204	2000399	46	459	4	1.3
## 205	2000874	182	243	0	2.3
## 206	2000923	143	341	4	9.3
## 207	2000826	46	42	2	9.9
## 208	2000584	337	388	0	8.3
## 209	2000350	4	42	5	3.8
## 210	2000063	318	49	1	5.2
## 211	2000661	60	434	4	7.4
## 212	2000435	58	242	2	6.7
## 213	2000903	267	354	1	7.4
## 214	2000899	163	374	1	6.8
## 215	2000674	14	444	0	3.9
## 216	2000670	78	46	1	1.0
## 217	2000133	101	322	5	4.5
## 218	2000613	42	217	3	0.1
## 219	2000699	92	442	1	7.3
## 220	2000283	298	296	5	5.0
## 221	2000659	84	473	1	9.4
## 222	2000829	317	431	3	7.6
## 223	2000473	144	21	2	2.6
## 224	2000638	194	180	0	3.7
## 225	2000800	161	243	2	5.8
## 226	2000298	46	322	0	2.4
## 227	2000429	306	252	3	0.3
## 228	2000205	314	445	3	8.8
## 229	2000374	20	89	3	9.0
## 230	2000888	109	187	1	5.1
## 231	2000663	334	364	0	6.4
## 232	2000604	295	65	0	0.3
## 233	2000497	15	337	2	3.9
## 234	2000863	41	191	4	8.5
## 235	2000015	8	132	5	6.5
## 236	2000789	236	152	3	6.6
## 237	2000823	90	408	3	5.0
## 238	2000832	102	487	3	2.8
## 239	2000145	113	408	0	6.2
## 240	2000719	108	140	2	9.7
## 241	2000924	225	87	5	2.1
## 242	2000265	214	176	2	6.0
## 243	2000945	76	467	3	7.2
## 244	2000918	58	372	3	1.7
## 245	2000430	206	398	3	6.3

## 246	2000655	235	452	3	8.9
## 247	2000127	10	335	2	4.4
## 248	2000057	281	78	3	1.6
## 249	2000622	51	493	1	5.1
## 250	2000384	299	460	5	9.7
## 251	2000781	11	215	2	6.8
## 252	2000385	92	454	0	3.1
## 253	2000266	8	273	5	4.6
## 254	2000152	297	14	0	2.8
## 255	2000526	152	4	4	3.6
## 256	2000401	215	105	3	0.7
## 257	2000932	203	126	5	4.0
## 258	2000083	279	24	1	6.9
## 259	2000082	109	137	0	7.8
## 260	2000195	348	55	2	0.9
## 261	2000855	27	230	4	9.6
## 262	2000461	93	246	2	0.0
## 263	2000138	190	308	3	2.5
## 264	2000590	57	138	0	9.9
## 265	2000099	19	67	2	5.4
## 266	2000583	122	361	3	3.0
## 267	2000227	137	225	2	5.9
## 268	2000967	110	214	4	2.7
## 269	2000946	65	277	4	0.4
## 270	2000822	102	423	0	9.0
## 271	2000353	288	99	2	1.2
## 272	2000589	252	27	4	0.3
## 273	2000232	261	323	2	1.9
## 274	2000814	81	447	3	4.3
## 275	2000178	178	370	4	5.1
## 276	2000031	170	60	3	6.6
## 277	2000837	11	233	3	5.1
## 278	2000460	24	355	4	3.3
## 279	2000095	280	220	3	6.5
## 280	2000750	154	484	2	5.6
## 281	2000367	254	100	3	6.5
## 282	2000642	160	358	5	4.8
## 283	2000725	93	97	1	2.6
## 284	2000682	243	283	4	1.7
## 285	2000795	96	162	1	6.5
## 286	2000815	308	395	1	2.0
## 287	2000373	190	85	5	9.7
## 288	2000765	100	300	1	5.2
## 289	2000293	186	84	3	5.3
## 290	2000467	160	122	2	7.9
## 291	2000523	17	221	4	6.3
## 292	2000581	74	258	5	2.8
## 293	2000349	274	280	5	4.3
## 294	2000807	127	142	5	1.7
## 295	2000856	53	303	0	4.1
## 296	2000618	36	405	2	3.2
## 297	2000980	254	262	5	5.1
## 298	2000419	50	178	5	6.3
## 299	2000108	236	189	0	2.0

## 300	2000131	36	371	3	2.0
## 301	2000372	163	405	2	2.5
## 302	2000369	117	219	1	6.5
## 303	2000973	110	152	3	8.6
## 304	2000513	11	462	4	6.9
## 305	2000883	140	278	3	4.6
## 306	2000269	23	434	1	4.7
## 307	2000681	299	2	5	5.4
## 308	2000784	135	247	1	7.2
## 309	2000666	110	362	1	9.3
## 310	2000703	232	323	3	6.2
## 311	2000007	300	177	4	2.0
## 312	2000496	335	492	2	6.3
## 313	2000427	340	159	4	8.4
## 314	2000289	192	63	3	5.5
## 315	2000587	314	150	2	6.8
## 316	2000507	154	391	0	7.9
## 317	2000836	118	9	3	5.1
## 318	2000972	92	88	3	4.5
## 319	2000370	35	339	5	1.2
## 320	2000140	112	31	5	7.4
## 321	2000376	48	265	3	9.6
## 322	2000327	36	390	4	2.2
## 323	2000148	164	15	4	1.5
## 324	2000113	174	294	4	5.4
## 325	2000796	205	394	4	7.3
## 326	2000199	337	88	3	2.8
## 327	2000729	328	463	0	3.3
## 328	2000935	106	373	1	5.4
## 329	2000297	19	273	5	5.9
## 330	2000556	309	67	4	9.2
## 331	2000817	294	77	3	7.3
## 332	2000600	346	498	0	8.2
## 333	2000022	162	70	1	5.0
## 334	2000250	226	304	1	2.7
## 335	2000635	129	435	3	5.7
## 336	2000821	157	327	3	6.4
## 337	2000990	59	164	5	5.3
## 338	2000029	84	488	0	9.1
## 339	2000044	316	308	4	2.3
## 340	2000502	293	364	4	7.2
## 341	2000104	108	375	3	5.4
## 342	2000785	229	252	1	3.2
## 343	2000783	3	469	4	9.9
## 344	2000634	97	54	2	5.2
## 345	2000557	70	395	0	6.4
## 346	2000264	203	201	3	7.4
## 347	2000407	132	473	5	4.3
## 348	2000172	293	288	3	5.9
## 349	2000654	103	308	1	7.3
## 350	2000039	178	183	1	0.9
## 351	2000323	306	277	5	6.4
## 352	2000989	137	283	4	5.1
## 353	2000575	272	32	1	7.4

## 354	2000285	274	498	3	6.4
## 355	2000913	128	252	2	1.9
## 356	2000135	310	225	0	5.7
## 357	2000184	128	375	3	9.4
## 358	2000006	221	202	0	7.5
## 359	2000831	73	423	4	2.6
## 360	2000092	33	112	3	4.7
## 361	2000841	212	429	5	5.2
## 362	2000776	125	97	5	1.8
## 363	2000873	93	140	4	6.6
## 364	2000181	298	75	1	8.8
## 365	2000381	254	331	4	3.0
## 366	2000794	19	106	1	7.5
## 367	2000656	266	43	5	8.8
## 368	2000141	338	368	3	0.3
## 369	2000354	163	62	1	3.7
## 370	2000309	118	125	5	0.4
## 371	2000588	60	147	2	7.1
## 372	2000811	43	356	2	2.9
## 373	2000290	175	493	1	8.8
## 374	2000089	225	114	4	4.1
## 375	2000772	55	329	3	0.3
## 376	2000306	112	3	5	5.4
## 377	2000834	50	173	2	8.5
## 378	2000200	33	498	1	1.1
## 379	2000538	215	309	2	5.4
## 380	2000852	126	74	3	9.8
## 381	2000835	180	408	5	6.4
## 382	2000322	292	495	4	6.2
## 383	2000484	20	26	5	3.6
## 384	2000187	280	364	2	3.7
## 385	2000492	130	154	5	8.8
## 386	2000267	22	36	0	8.5
## 387	2000657	31	353	0	3.5
## 388	2000254	23	312	2	1.8
## 389	2000992	209	426	3	3.6
## 390	2000915	273	14	2	9.1
## 391	2000255	152	376	4	2.3
## 392	2000225	214	201	0	1.0
## 393	2000930	35	48	2	8.3
## 394	2000128	347	142	1	5.4
## 395	2000341	65	174	5	10.0
## 396	2000982	163	478	2	2.0
## 397	2000792	165	365	4	2.1
## 398	2000907	220	353	0	0.4
## 399	2000344	322	177	3	6.3
## 400	2000790	308	276	5	8.9
## 401	2000130	83	111	0	8.6
## 402	2000687	162	406	1	4.1
## 403	2000371	348	448	4	4.2
## 404	2000048	326	297	0	0.3
## 405	2000038	72	141	1	7.6
## 406	2000904	149	328	3	3.9
## 407	2000328	210	467	3	9.4

## 408	2000389	100	266	1	4.9
## 409	2000901	52	40	0	9.7
## 410	2000307	272	401	1	6.2
## 411	2000245	134	428	3	4.3
## 412	2000577	248	428	2	1.5
## 413	2000627	17	165	0	1.9
## 414	2000740	129	138	1	6.7
## 415	2000551	188	480	4	9.9
## 416	2000955	256	401	4	7.9
## 417	2000336	72	83	3	8.6
## 418	2000668	339	407	1	4.7
## 419	2000313	46	242	0	1.5
## 420	2000085	286	213	2	7.1
## 421	2000074	47	113	2	7.0
## 422	2000987	332	485	4	3.0
## 423	2000530	227	21	2	3.6
## 424	2000978	33	68	0	3.2
## 425	2000752	112	18	2	5.5
## 426	2000644	73	82	5	2.0
## 427	2000149	317	428	5	7.0
## 428	2000534	141	109	3	4.0
## 429	2000466	178	377	4	2.4
## 430	2000077	277	143	0	1.8
## 431	2000966	342	307	3	9.7
## 432	2000712	63	436	3	6.9
## 433	2000335	141	445	0	8.4
## 434	2000160	61	140	0	3.0
## 435	2000480	294	149	0	6.1
## 436	2000920	207	69	3	4.7
## 437	2000368	215	310	3	1.5
## 438	2000325	155	353	4	1.1
## 439	2000586	305	2	5	4.1
## 440	2000465	289	120	0	6.7
## 441	2000284	342	55	1	1.3
## 442	2000052	200	215	5	8.3
## 443	2000017	42	416	4	6.0
## 444	2000975	89	121	5	6.7
## 445	2000420	158	42	1	6.3
## 446	2000310	132	357	2	9.9
## 447	2000757	124	197	2	9.4
## 448	2000315	29	444	1	3.3
## 449	2000933	170	233	4	2.3
## 450	2000069	47	486	5	6.1
## 451	2000684	197	494	4	6.6
## 452	2000768	6	325	2	5.8
## 453	2000159	197	294	0	2.2
## 454	2000042	89	205	3	2.6
## 455	2000818	90	104	0	4.9
## 456	2000880	13	365	1	7.3
## 457	2000845	175	145	0	6.4
## 458	2000045	207	33	0	6.0
## 459	2000970	35	455	0	4.5
## 460	2000803	103	185	0	5.1
## 461	2000746	23	135	4	4.0

## 462	2000116	293	120	5	8.0
## 463	2000237	333	406	0	4.8
## 464	2000798	87	73	5	2.2
## 465	2000726	33	169	5	4.9
## 466	2000097	265	343	3	9.3
## 467	2000569	133	401	4	5.7
## 468	2000421	178	443	3	5.4
## 469	2000018	175	406	5	8.7
## 470	2000311	109	199	2	3.6
## 471	2000478	4	172	2	8.5
## 472	2000983	298	404	1	8.0
## 473	2000364	261	95	4	8.9
## 474	2000366	289	209	3	8.4
## 475	2000697	173	70	3	1.0
## 476	2000580	198	270	0	5.9
## 477	2000005	151	333	3	1.9
## 478	2000732	116	266	3	5.1
## 479	2000969	234	59	3	7.9
## 480	2000771	28	318	4	5.8
## 481	2000623	30	274	0	2.7
## 482	2000291	232	235	5	6.1
## 483	2000728	22	340	5	7.0
## 484	2000387	14	249	0	3.8
## 485	2000692	217	448	2	7.1
## 486	2000188	67	90	0	6.0
## 487	2000234	155	197	5	2.3
## 488	2000463	320	301	2	4.5
## 489	2000714	206	424	2	6.0
## 490	2000603	122	119	5	4.4
## 491	2000532	69	32	0	8.4
## 492	2000268	338	468	2	9.1
## 493	2000806	316	191	0	4.1
## 494	2000672	180	404	1	6.1
## 495	2000276	127	191	2	5.8
## 496	2000105	271	331	0	6.4
## 497	2000756	253	114	1	5.5
## 498	2000202	282	178	5	9.7
## 499	2000238	150	106	4	6.2
## 500	2000332	253	291	0	3.1
## 501	2000432	105	201	0	5.1
## 502	2000505	226	394	2	1.1
## 503	2000693	345	359	2	7.1
## 504	2000848	270	500	0	1.9
## 505	2000174	162	466	1	1.7
## 506	2000548	14	406	3	7.6
## 507	2000596	29	407	0	8.1
## 508	2000993	41	99	4	2.7
## 509	2000491	237	342	2	1.9
## 510	2000833	176	418	0	9.4
## 511	2000362	193	187	0	0.0
## 512	2000562	240	151	2	6.2
## 513	2000151	348	143	1	2.0
## 514	2000825	195	384	4	9.2
## 515	2000652	280	88	2	2.9

## 516	2000774	350	357	4	5.6
## 517	2000671	38	46	0	2.7
## 518	2000576	220	84	1	8.2
## 519	2000965	172	95	1	1.0
## 520	2000984	101	320	5	2.4
## 521	2000571	214	386	1	1.4
## 522	2000597	317	90	4	3.8
## 523	2000320	239	207	0	3.0
## 524	2000036	135	48	1	9.0
## 525	2000882	98	66	4	0.0
## 526	2000120	155	404	1	7.3
## 527	2000474	291	257	3	2.2
## 528	2000147	334	186	3	3.1
## 529	2000395	70	183	3	5.4
## 530	2000024	120	198	0	9.1
## 531	2000870	46	111	0	6.5
## 532	2000121	178	129	0	6.1
## 533	2000611	312	15	0	1.5
## 534	2000977	315	319	5	7.4
## 535	2000191	222	331	2	8.6
## 536	2000458	89	421	4	5.5
## 537	2000468	70	98	5	7.4
## 538	2000753	282	441	4	5.2
## 539	2000592	317	2	4	7.0
## 540	2000047	217	424	5	3.0
## 541	2000068	127	498	2	5.0
## 542	2000142	91	259	5	4.2
## 543	2000547	112	258	2	1.5
## 544	2000386	328	495	4	4.2
## 545	2000163	178	343	3	3.3
## 546	2000793	213	92	5	9.8
## 547	2000175	102	187	1	8.3
## 548	2000865	181	59	0	6.1
## 549	2000664	273	365	1	8.1
## 550	2000951	207	364	5	0.1
## 551	2000853	251	221	3	5.8
## 552	2000446	331	112	0	1.5
## 553	2000731	182	411	5	7.4
## 554	2000704	28	396	5	3.3
## 555	2000271	263	290	0	8.2
## 556	2000721	267	401	5	6.5
## 557	2000738	284	292	5	8.3
## 558	2000114	95	378	0	8.6
## 559	2000868	119	427	1	2.0
## 560	2000591	89	88	1	4.7
## 561	2000890	242	235	2	9.6
## 562	2000280	303	241	3	3.8
## 563	2000678	218	186	3	2.3
## 564	2000221	72	191	5	0.2
## 565	2000996	128	458	0	9.6
## 566	2000215	119	255	4	5.0
## 567	2000535	174	342	1	1.6
## 568	2000944	61	382	4	1.0
## 569	2000348	125	469	2	9.0

## 570	2000994	97	267	1	4.8
## 571	2000305	276	20	3	8.9
## 572	2000448	328	202	1	9.8
## 573	2000988	239	281	3	6.4
## 574	2000578	163	326	5	4.1
## 575	2000192	9	161	1	5.1
## 576	2000054	200	164	1	8.0
## 577	2000110	24	340	0	3.9
## 578	2000155	94	234	0	3.3
## 579	2000118	247	315	3	2.5
## 580	2000442	188	8	4	6.8
## 581	2000605	114	238	2	0.9
## 582	2000359	90	283	0	4.8
## 583	2000741	81	289	0	9.2
## 584	2000190	292	229	5	4.4
## 585	2000153	148	306	0	9.5
## 586	2000961	202	399	2	10.0
## 587	2000027	259	52	3	3.2
## 588	2000887	318	52	3	1.0
## 589	2000100	311	108	4	5.9
## 590	2000288	179	329	3	8.6
## 591	2000766	99	28	0	7.4
## 592	2000631	161	482	0	0.1
## 593	2000769	144	166	0	0.8
## 594	2000169	170	152	3	8.1
## 595	2000510	264	432	5	1.4
## 596	2000167	14	263	5	6.2
## 597	2000546	146	117	1	5.7
## 598	2000103	188	438	0	2.9
## 599	2000554	197	174	0	0.5
## 600	2000609	236	172	2	3.5
## 601	2000312	64	40	1	8.1
## 602	2000533	336	233	3	2.0
## 603	2000286	229	76	5	6.4
## 604	2000824	120	372	1	1.7
## 605	2000055	326	39	0	9.9
## 606	2000564	346	282	0	2.0
## 607	2000023	10	473	5	1.6
## 608	2000667	233	227	3	4.9
## 609	2000585	128	96	1	0.0
## 610	2000911	306	136	0	3.9
## 611	2000183	2	378	4	4.8
## 612	2000331	335	200	1	2.9
## 613	2000968	69	22	1	8.9
## 614	2000846	48	224	2	0.6
## 615	2000558	312	249	0	2.6
## 616	2000683	170	270	2	8.8
## 617	2000504	135	160	0	5.8
## 618	2000256	238	197	4	8.0
## 619	2000621	171	44	5	4.4
## 620	2000204	26	355	4	2.3
## 621	2000679	40	244	5	9.4
## 622	2000727	319	69	5	7.7
## 623	2000222	307	311	3	2.2

## 624	2000403	136	456	3	6.2
## 625	2000379	263	102	3	1.4
## 626	2000270	37	117	3	7.9
## 627	2000689	228	488	4	2.3
## 628	2000549	45	257	5	7.0
## 629	2000782	278	32	0	5.4
## 630	2000864	256	475	4	2.9
## 631	2000358	32	116	4	1.9
## 632	2000566	239	237	0	3.7
## 633	2000877	7	111	1	3.3
## 634	2000406	198	390	3	9.5
## 635	2000058	107	350	2	4.6
## 636	2000648	331	138	4	5.9
## 637	2000218	291	440	1	6.7
## 638	2001000	116	427	4	5.0
## 639	2000185	18	205	0	5.6
## 640	2000244	208	422	0	5.9
## 641	2000950	269	161	5	1.2
## 642	2000762	19	477	0	4.1
## 643	2000228	210	162	1	9.0
## 644	2000842	253	93	5	6.7
## 645	2000197	206	461	3	5.5
## 646	2000002	68	231	4	7.6
## 647	2000394	273	222	1	7.9
## 648	2000503	341	330	3	2.3
## 649	2000009	5	209	2	8.8
## 650	2000032	111	257	2	7.4
## 651	2000193	300	29	5	2.8
## 652	2000810	157	288	3	6.4
## 653	2000749	189	65	1	4.7
## 654	2000717	303	414	4	4.8
## 655	2000742	139	421	3	0.8
## 656	2000476	327	453	1	5.3
## 657	2000171	281	260	1	5.6
## 658	2000734	8	443	4	6.9
## 659	2000079	304	317	5	6.2
## 660	2000997	217	227	5	7.6
## 661	2000849	35	112	2	7.8
## 662	2000417	70	460	4	6.7
## 663	2000324	45	184	0	0.2
## 664	2000162	180	308	2	0.7
## 665	2000593	281	19	3	3.7
## 666	2000087	49	166	2	1.0
## 667	2000150	145	348	0	6.8
## 668	2000542	244	211	5	3.9
## 669	2000014	265	39	2	4.0
## 670	2000561	166	404	4	4.3
## 671	2000527	241	183	0	1.4
## 672	2000124	81	489	0	5.7
## 673	2000010	31	306	1	3.6
## 674	2000744	234	298	3	8.3
## 675	2000198	219	259	0	6.8
## 676	2000570	309	214	5	3.4
## 677	2000080	298	64	0	3.0

## 678	2000851	217	265	0	7.0
## 679	2000260	271	333	1	5.5
## 680	2000220	112	271	0	0.2
## 681	2000521	198	468	2	6.0
## 682	2000454	134	110	4	0.2
## 683	2000974	32	400	0	5.4
## 684	2000107	148	156	2	7.2
## 685	2000186	168	287	2	0.3
## 686	2000601	336	259	1	1.9
## 687	2000453	321	314	0	7.8
## 688	2000827	17	294	4	9.1
## 689	2000516	289	479	0	4.0
## 690	2000615	126	118	1	8.4
## 691	2000979	290	181	5	0.9
## 692	2000958	344	54	2	6.2
## 693	2000686	47	225	5	4.5
## 694	2000231	162	409	2	2.4
## 695	2000196	94	480	3	3.7
## 696	2000233	208	207	3	3.0
## 697	2000262	323	490	1	4.2
## 698	2000001	211	25	4	4.1
## 699	2000885	19	226	4	5.1
## 700	2000330	1	452	4	4.2
## 701	2000743	330	84	5	0.0
## 702	2000962	339	181	2	8.9
## 703	2000675	39	190	3	5.3
## 704	2000180	251	80	3	3.1
## 705	2000479	139	68	3	3.1
## 706	2000650	90	291	4	4.9
## 707	2000745	54	355	3	9.4
## 708	2000343	228	426	1	3.4
## 709	2000041	285	403	4	5.3
## 710	2000413	318	500	1	6.4
## 711	2000773	167	228	3	8.6
## 712	2000119	309	91	5	6.4
## 713	2000947	285	62	1	9.1
## 714	2000035	206	272	0	9.9
## 715	2000115	152	437	2	0.5
## 716	2000922	134	121	3	1.8
## 717	2000573	194	84	1	5.9
## 718	2000422	159	347	4	0.0
## 719	2000469	87	185	5	3.8
## 720	2000891	139	163	4	4.6
## 721	2000165	10	379	0	10.0
## 722	2000755	111	360	3	0.4
## 723	2000279	195	174	2	6.9
## 724	2000134	333	307	5	4.9
## 725	2000875	294	139	0	5.7
## 726	2000779	317	165	3	3.7
## 727	2000436	329	451	5	0.3
## 728	2000363	45	140	5	7.1
## 729	2000412	115	245	2	9.3
## 730	2000326	329	434	3	3.1
## 731	2000136	112	229	4	9.4

## 732	2000559	347	37	3	8.3
## 733	2000434	306	96	0	1.5
## 734	2000690	148	96	3	4.9
## 735	2000582	294	431	3	7.2
## 736	2000805	10	351	5	0.5
## 737	2000894	151	227	2	4.7
## 738	2000179	100	367	1	6.0
## 739	2000673	342	461	5	6.7
## 740	2000565	117	34	0	2.5
## 741	2000146	154	20	4	7.0
## 742	2000658	187	29	1	4.7
## 743	2000804	229	40	2	6.5
## 744	2000102	189	324	5	4.4
## 745	2000263	7	498	2	4.2
## 746	2000217	107	419	4	5.0
## 747	2000862	297	163	3	0.2
## 748	2000166	254	301	2	7.4
## 749	2000061	28	352	0	2.2
## 750	2000416	285	271	4	5.6
## 751	2000722	25	448	3	8.3
## 752	2000452	30	300	2	1.2
## 753	2000960	175	46	5	8.4
## 754	2000857	31	226	3	2.1
## 755	2000106	309	203	5	0.1
## 756	2000912	261	106	4	9.5
## 757	2000433	266	380	0	3.7
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## 759	2000176	166	429	2	0.9
## 760	2000355	8	113	1	4.4
## 761	2000471	36	431	1	1.6
## 762	2000431	155	410	1	1.8
## 763	2000258	348	467	3	8.9
## 764	2000098	203	481	1	9.6
## 765	2000470	144	2	3	2.8
## 766	2000213	342	326	4	6.8
## 767	2000056	218	216	3	7.2
## 768	2000398	54	436	0	5.6
## 769	2000691	329	357	0	6.7
## 770	2000778	21	47	4	7.5
## 771	2000122	48	465	4	7.0
## 772	2000813	296	170	0	3.3
## 773	2000449	221	212	4	2.8
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## 777	2000428	256	397	4	8.2
## 778	2000838	269	197	3	7.5
## 779	2000161	130	448	5	6.4
## 780	2000093	133	255	4	5.1
## 781	2000111	26	170	1	4.4
## 782	2000730	305	31	0	3.1
## 783	2000243	235	484	2	1.8
## 784	2000610	123	245	5	5.2
## 785	2000706	210	153	2	1.5

## 786	2000651	96	217	0	2.5
## 787	2000203	267	51	2	2.6
## 788	2000579	251	431	1	7.6
## 789	2000867	5	234	5	2.4
## 790	2000893	145	141	1	7.0
## 791	2000365	150	34	2	4.4
## 792	2000246	42	108	4	2.8
## 793	2000020	9	23	0	3.4
## 794	2000351	294	334	0	6.1
## 795	2000383	170	137	3	0.1
## 796	2000352	145	353	1	3.4
## 797	2000447	158	6	2	6.5
## 798	2000482	27	65	4	1.9
## 799	2000723	331	200	1	5.9
## 800	2000802	310	213	0	1.5
## 801	2000030	176	224	1	0.9
## 802	2000206	106	254	0	1.5
## 803	2000976	45	492	2	4.3
## 804	2000934	342	145	0	4.5
## 805	2000519	60	404	5	0.4
## 806	2000301	109	241	5	6.5
## 807	2000917	170	93	5	8.1
## 808	2000669	279	84	1	7.0
## 809	2000567	33	41	0	5.1
## 810	2000084	193	43	0	2.1
## 811	2000450	10	206	4	9.8
## 812	2000632	140	347	5	7.6
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## 814	2000409	122	31	5	2.2
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## 975	2000797	54	31	3	9.6
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Research.Interest

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## 997          1
## 998          1
## 999          0
## 1000         1

```

Q2) Create 5 columns that has the previous class subject marks respectively for the subjects Maths, English, GRE [Already given], Computer Science, TOEFL[Already mentioned], out of 350.

```

set.seed(25)

data_frame$Maths.Score <- sample(c(0:350), 1000, replace = T)
data_frame$English.Score <- sample(c(0:350), 1000, replace = T)
data_frame$CS.Score <- sample(c(0:350), 1000, replace = T)
data_frame$TOEFL.Score2 <- (toefl/500)*350

```

```
data_frame
```

	Application.Number	GRE.Score	TOEFL.Score	Previous.Category	CGPA
## 1	2000647	307	112	3	2.5
## 2	2000477	128	469	5	2.2
## 3	2000536	284	82	0	3.7
## 4	2000444	298	216	5	0.1
## 5	2000985	290	93	3	7.9
## 6	2000049	286	481	0	7.1
## 7	2000072	55	79	0	2.5
## 8	2000617	172	227	2	8.6
## 9	2000282	314	36	3	6.9
## 10	2000059	19	248	0	3.1
## 11	2000272	344	156	4	4.2

## 12	2000356	56	401	5	4.9
## 13	2000705	166	431	2	6.4
## 14	2000520	186	58	5	6.9
## 15	2000451	114	130	0	4.8
## 16	2000553	187	226	3	9.4
## 17	2000620	247	19	4	8.9
## 18	2000998	227	102	1	0.7
## 19	2000698	263	499	4	0.4
## 20	2000619	256	93	2	6.9
## 21	2000879	256	219	4	8.3
## 22	2000949	178	441	0	9.4
## 23	2000889	232	173	4	0.7
## 24	2000696	274	248	5	5.6
## 25	2000226	266	106	4	9.5
## 26	2000665	160	493	4	0.8
## 27	2000971	97	381	5	2.9
## 28	2000112	280	122	5	7.2
## 29	2000240	265	156	3	8.6
## 30	2000701	2	83	2	6.1
## 31	2000361	115	438	3	5.5
## 32	2000157	114	366	1	4.1
## 33	2000517	340	92	1	9.2
## 34	2000259	329	371	2	9.3
## 35	2000869	303	343	0	7.5
## 36	2000094	210	377	4	3.9
## 37	2000957	54	237	0	5.9
## 38	2000004	169	253	0	8.5
## 39	2000941	77	280	3	7.8
## 40	2000541	290	397	0	1.9
## 41	2000132	37	80	2	5.1
## 42	2000296	350	387	5	0.1
## 43	2000643	313	357	2	6.4
## 44	2000302	221	139	5	2.6
## 45	2000438	215	303	1	0.0
## 46	2000319	175	9	3	4.0
## 47	2000625	302	435	2	1.1
## 48	2000908	77	301	1	9.4
## 49	2000649	201	191	0	9.1
## 50	2000405	108	21	4	8.2
## 51	2000274	7	229	4	1.6
## 52	2000560	293	136	0	1.5
## 53	2000761	314	189	3	9.4
## 54	2000718	136	311	4	5.3
## 55	2000012	151	453	3	4.4
## 56	2000777	261	99	5	1.5
## 57	2000514	252	83	0	3.7
## 58	2000393	242	40	0	2.7
## 59	2000126	331	237	4	1.7
## 60	2000531	6	199	3	2.3
## 61	2000396	319	37	0	1.3
## 62	2000716	328	227	3	1.6
## 63	2000775	20	442	5	3.2
## 64	2000275	248	446	0	0.3
## 65	2000959	334	338	3	8.8

## 66	2000936	248	238	5	6.4
## 67	2000812	242	385	2	6.6
## 68	2000830	190	55	0	0.4
## 69	2000819	310	44	1	6.0
## 70	2000828	12	380	1	8.7
## 71	2000608	173	148	0	6.3
## 72	2000715	147	468	2	7.8
## 73	2000926	334	237	2	7.8
## 74	2000937	279	133	2	4.6
## 75	2000594	29	91	4	8.3
## 76	2000786	93	293	4	0.1
## 77	2000439	69	40	5	2.5
## 78	2000088	349	217	4	8.4
## 79	2000402	171	345	1	3.0
## 80	2000760	3	302	5	9.5
## 81	2000709	235	129	2	1.6
## 82	2000861	83	267	5	0.7
## 83	2000392	177	246	5	9.6
## 84	2000242	226	307	0	7.4
## 85	2000948	39	106	1	4.2
## 86	2000787	65	50	0	4.1
## 87	2000991	243	198	1	0.4
## 88	2000170	103	35	3	5.2
## 89	2000905	154	401	5	2.1
## 90	2000624	213	342	4	4.4
## 91	2000212	311	451	0	5.1
## 92	2000931	256	243	3	4.5
## 93	2000843	310	123	4	0.8
## 94	2000780	200	246	2	7.3
## 95	2000033	155	441	4	0.3
## 96	2000662	243	466	1	4.7
## 97	2000508	67	19	4	4.1
## 98	2000839	33	243	0	8.6
## 99	2000695	10	266	0	8.6
## 100	2000345	149	20	4	4.4
## 101	2000751	237	375	2	8.5
## 102	2000809	8	171	3	5.1
## 103	2000720	64	105	3	3.6
## 104	2000710	62	316	3	9.5
## 105	2000708	93	52	5	0.7
## 106	2000173	185	421	2	10.0
## 107	2000404	185	21	3	8.1
## 108	2000808	10	202	5	0.2
## 109	2000071	141	86	4	2.0
## 110	2000040	282	33	2	9.7
## 111	2000702	94	381	4	5.8
## 112	2000847	218	399	5	7.8
## 113	2000340	231	242	5	0.8
## 114	2000860	137	189	5	8.1
## 115	2000201	272	461	0	3.8
## 116	2000194	53	104	4	7.9
## 117	2000700	275	334	4	3.1
## 118	2000737	159	66	1	4.4
## 119	2000999	262	437	2	4.2

## 120	2000342	16	251	1	4.1
## 121	2000216	283	374	5	9.4
## 122	2000051	17	391	0	3.1
## 123	2000415	87	88	4	1.8
## 124	2000956	334	344	4	7.1
## 125	2000028	245	479	1	8.5
## 126	2000229	221	325	3	3.0
## 127	2000713	250	106	0	0.3
## 128	2000426	190	456	4	3.8
## 129	2000338	340	213	0	0.5
## 130	2000636	148	55	1	7.3
## 131	2000896	12	274	5	3.5
## 132	2000483	120	422	4	8.3
## 133	2000628	39	152	5	7.0
## 134	2000164	56	74	3	2.3
## 135	2000854	46	449	4	2.8
## 136	2000411	263	327	0	2.3
## 137	2000455	105	434	5	2.7
## 138	2000060	296	97	2	2.6
## 139	2000612	57	489	2	5.5
## 140	2000942	161	230	5	3.2
## 141	2000481	252	280	4	8.2
## 142	2000871	90	332	3	5.9
## 143	2000391	350	264	0	5.8
## 144	2000878	102	437	0	4.5
## 145	2000357	236	279	5	1.7
## 146	2000900	176	148	4	9.5
## 147	2000081	47	134	2	8.3
## 148	2000919	238	249	2	2.7
## 149	2000294	334	154	0	9.1
## 150	2000495	177	108	2	8.4
## 151	2000423	264	132	4	3.2
## 152	2000799	8	399	3	0.9
## 153	2000515	11	114	4	2.7
## 154	2000500	236	229	2	10.0
## 155	2000123	241	426	2	2.7
## 156	2000410	98	494	0	9.3
## 157	2000489	16	165	3	1.7
## 158	2000537	156	439	0	9.4
## 159	2000109	42	404	2	9.8
## 160	2000443	315	435	1	4.2
## 161	2000916	199	167	1	6.2
## 162	2000457	312	326	0	0.4
## 163	2000685	174	290	3	1.9
## 164	2000067	10	89	3	4.6
## 165	2000876	285	23	5	7.4
## 166	2000739	217	99	2	7.4
## 167	2000902	44	333	3	9.5
## 168	2000011	217	403	1	5.5
## 169	2000512	233	216	2	7.1
## 170	2000292	347	174	5	2.8
## 171	2000940	39	328	0	0.8
## 172	2000493	248	189	1	5.4
## 173	2000486	332	140	2	0.9

## 174	2000724	127	491	0	5.4
## 175	2000207	43	391	4	5.2
## 176	2000921	251	277	1	2.3
## 177	2000303	288	238	0	5.8
## 178	2000910	283	399	2	6.2
## 179	2000572	327	337	4	6.3
## 180	2000046	277	479	2	6.0
## 181	2000230	346	247	0	4.5
## 182	2000816	77	402	4	0.4
## 183	2000251	216	372	1	6.1
## 184	2000210	289	385	0	8.9
## 185	2000602	9	1	0	2.6
## 186	2000003	71	72	3	0.4
## 187	2000019	150	57	4	1.6
## 188	2000025	170	191	0	8.9
## 189	2000182	98	238	4	0.4
## 190	2000898	94	215	0	2.4
## 191	2000488	239	110	5	5.1
## 192	2000037	61	404	3	2.7
## 193	2000544	274	344	0	6.3
## 194	2000241	178	22	2	9.2
## 195	2000144	170	434	3	6.4
## 196	2000511	322	68	0	7.4
## 197	2000680	52	61	5	2.8
## 198	2000346	330	12	4	6.9
## 199	2000747	216	410	5	4.2
## 200	2000499	320	92	0	9.1
## 201	2000223	308	289	2	8.2
## 202	2000096	13	165	1	6.5
## 203	2000859	297	490	4	6.3
## 204	2000399	46	459	4	1.3
## 205	2000874	182	243	0	2.3
## 206	2000923	143	341	4	9.3
## 207	2000826	46	42	2	9.9
## 208	2000584	337	388	0	8.3
## 209	2000350	4	42	5	3.8
## 210	2000063	318	49	1	5.2
## 211	2000661	60	434	4	7.4
## 212	2000435	58	242	2	6.7
## 213	2000903	267	354	1	7.4
## 214	2000899	163	374	1	6.8
## 215	2000674	14	444	0	3.9
## 216	2000670	78	46	1	1.0
## 217	2000133	101	322	5	4.5
## 218	2000613	42	217	3	0.1
## 219	2000699	92	442	1	7.3
## 220	2000283	298	296	5	5.0
## 221	2000659	84	473	1	9.4
## 222	2000829	317	431	3	7.6
## 223	2000473	144	21	2	2.6
## 224	2000638	194	180	0	3.7
## 225	2000800	161	243	2	5.8
## 226	2000298	46	322	0	2.4
## 227	2000429	306	252	3	0.3

## 228	2000205	314	445	3	8.8
## 229	2000374	20	89	3	9.0
## 230	2000888	109	187	1	5.1
## 231	2000663	334	364	0	6.4
## 232	2000604	295	65	0	0.3
## 233	2000497	15	337	2	3.9
## 234	2000863	41	191	4	8.5
## 235	2000015	8	132	5	6.5
## 236	2000789	236	152	3	6.6
## 237	2000823	90	408	3	5.0
## 238	2000832	102	487	3	2.8
## 239	2000145	113	408	0	6.2
## 240	2000719	108	140	2	9.7
## 241	2000924	225	87	5	2.1
## 242	2000265	214	176	2	6.0
## 243	2000945	76	467	3	7.2
## 244	2000918	58	372	3	1.7
## 245	2000430	206	398	3	6.3
## 246	2000655	235	452	3	8.9
## 247	2000127	10	335	2	4.4
## 248	2000057	281	78	3	1.6
## 249	2000622	51	493	1	5.1
## 250	2000384	299	460	5	9.7
## 251	2000781	11	215	2	6.8
## 252	2000385	92	454	0	3.1
## 253	2000266	8	273	5	4.6
## 254	2000152	297	14	0	2.8
## 255	2000526	152	4	4	3.6
## 256	2000401	215	105	3	0.7
## 257	2000932	203	126	5	4.0
## 258	2000083	279	24	1	6.9
## 259	2000082	109	137	0	7.8
## 260	2000195	348	55	2	0.9
## 261	2000855	27	230	4	9.6
## 262	2000461	93	246	2	0.0
## 263	2000138	190	308	3	2.5
## 264	2000590	57	138	0	9.9
## 265	2000099	19	67	2	5.4
## 266	2000583	122	361	3	3.0
## 267	2000227	137	225	2	5.9
## 268	2000967	110	214	4	2.7
## 269	2000946	65	277	4	0.4
## 270	2000822	102	423	0	9.0
## 271	2000353	288	99	2	1.2
## 272	2000589	252	27	4	0.3
## 273	2000232	261	323	2	1.9
## 274	2000814	81	447	3	4.3
## 275	2000178	178	370	4	5.1
## 276	2000031	170	60	3	6.6
## 277	2000837	11	233	3	5.1
## 278	2000460	24	355	4	3.3
## 279	2000095	280	220	3	6.5
## 280	2000750	154	484	2	5.6
## 281	2000367	254	100	3	6.5

## 282	2000642	160	358	5	4.8
## 283	2000725	93	97	1	2.6
## 284	2000682	243	283	4	1.7
## 285	2000795	96	162	1	6.5
## 286	2000815	308	395	1	2.0
## 287	2000373	190	85	5	9.7
## 288	2000765	100	300	1	5.2
## 289	2000293	186	84	3	5.3
## 290	2000467	160	122	2	7.9
## 291	2000523	17	221	4	6.3
## 292	2000581	74	258	5	2.8
## 293	2000349	274	280	5	4.3
## 294	2000807	127	142	5	1.7
## 295	2000856	53	303	0	4.1
## 296	2000618	36	405	2	3.2
## 297	2000980	254	262	5	5.1
## 298	2000419	50	178	5	6.3
## 299	2000108	236	189	0	2.0
## 300	2000131	36	371	3	2.0
## 301	2000372	163	405	2	2.5
## 302	2000369	117	219	1	6.5
## 303	2000973	110	152	3	8.6
## 304	2000513	11	462	4	6.9
## 305	2000883	140	278	3	4.6
## 306	2000269	23	434	1	4.7
## 307	2000681	299	2	5	5.4
## 308	2000784	135	247	1	7.2
## 309	2000666	110	362	1	9.3
## 310	2000703	232	323	3	6.2
## 311	2000007	300	177	4	2.0
## 312	2000496	335	492	2	6.3
## 313	2000427	340	159	4	8.4
## 314	2000289	192	63	3	5.5
## 315	2000587	314	150	2	6.8
## 316	2000507	154	391	0	7.9
## 317	2000836	118	9	3	5.1
## 318	2000972	92	88	3	4.5
## 319	2000370	35	339	5	1.2
## 320	2000140	112	31	5	7.4
## 321	2000376	48	265	3	9.6
## 322	2000327	36	390	4	2.2
## 323	2000148	164	15	4	1.5
## 324	2000113	174	294	4	5.4
## 325	2000796	205	394	4	7.3
## 326	2000199	337	88	3	2.8
## 327	2000729	328	463	0	3.3
## 328	2000935	106	373	1	5.4
## 329	2000297	19	273	5	5.9
## 330	2000556	309	67	4	9.2
## 331	2000817	294	77	3	7.3
## 332	2000600	346	498	0	8.2
## 333	2000022	162	70	1	5.0
## 334	2000250	226	304	1	2.7
## 335	2000635	129	435	3	5.7

## 336	2000821	157	327	3	6.4
## 337	2000990	59	164	5	5.3
## 338	2000029	84	488	0	9.1
## 339	2000044	316	308	4	2.3
## 340	2000502	293	364	4	7.2
## 341	2000104	108	375	3	5.4
## 342	2000785	229	252	1	3.2
## 343	2000783	3	469	4	9.9
## 344	2000634	97	54	2	5.2
## 345	2000557	70	395	0	6.4
## 346	2000264	203	201	3	7.4
## 347	2000407	132	473	5	4.3
## 348	2000172	293	288	3	5.9
## 349	2000654	103	308	1	7.3
## 350	2000039	178	183	1	0.9
## 351	2000323	306	277	5	6.4
## 352	2000989	137	283	4	5.1
## 353	2000575	272	32	1	7.4
## 354	2000285	274	498	3	6.4
## 355	2000913	128	252	2	1.9
## 356	2000135	310	225	0	5.7
## 357	2000184	128	375	3	9.4
## 358	2000006	221	202	0	7.5
## 359	2000831	73	423	4	2.6
## 360	2000092	33	112	3	4.7
## 361	2000841	212	429	5	5.2
## 362	2000776	125	97	5	1.8
## 363	2000873	93	140	4	6.6
## 364	2000181	298	75	1	8.8
## 365	2000381	254	331	4	3.0
## 366	2000794	19	106	1	7.5
## 367	2000656	266	43	5	8.8
## 368	2000141	338	368	3	0.3
## 369	2000354	163	62	1	3.7
## 370	2000309	118	125	5	0.4
## 371	2000588	60	147	2	7.1
## 372	2000811	43	356	2	2.9
## 373	2000290	175	493	1	8.8
## 374	2000089	225	114	4	4.1
## 375	2000772	55	329	3	0.3
## 376	2000306	112	3	5	5.4
## 377	2000834	50	173	2	8.5
## 378	2000200	33	498	1	1.1
## 379	2000538	215	309	2	5.4
## 380	2000852	126	74	3	9.8
## 381	2000835	180	408	5	6.4
## 382	2000322	292	495	4	6.2
## 383	2000484	20	26	5	3.6
## 384	2000187	280	364	2	3.7
## 385	2000492	130	154	5	8.8
## 386	2000267	22	36	0	8.5
## 387	2000657	31	353	0	3.5
## 388	2000254	23	312	2	1.8
## 389	2000992	209	426	3	3.6

## 390	2000915	273	14	2	9.1
## 391	2000255	152	376	4	2.3
## 392	2000225	214	201	0	1.0
## 393	2000930	35	48	2	8.3
## 394	2000128	347	142	1	5.4
## 395	2000341	65	174	5	10.0
## 396	2000982	163	478	2	2.0
## 397	2000792	165	365	4	2.1
## 398	2000907	220	353	0	0.4
## 399	2000344	322	177	3	6.3
## 400	2000790	308	276	5	8.9
## 401	2000130	83	111	0	8.6
## 402	2000687	162	406	1	4.1
## 403	2000371	348	448	4	4.2
## 404	2000048	326	297	0	0.3
## 405	2000038	72	141	1	7.6
## 406	2000904	149	328	3	3.9
## 407	2000328	210	467	3	9.4
## 408	2000389	100	266	1	4.9
## 409	2000901	52	40	0	9.7
## 410	2000307	272	401	1	6.2
## 411	2000245	134	428	3	4.3
## 412	2000577	248	428	2	1.5
## 413	2000627	17	165	0	1.9
## 414	2000740	129	138	1	6.7
## 415	2000551	188	480	4	9.9
## 416	2000955	256	401	4	7.9
## 417	2000336	72	83	3	8.6
## 418	2000668	339	407	1	4.7
## 419	2000313	46	242	0	1.5
## 420	2000085	286	213	2	7.1
## 421	2000074	47	113	2	7.0
## 422	2000987	332	485	4	3.0
## 423	2000530	227	21	2	3.6
## 424	2000978	33	68	0	3.2
## 425	2000752	112	18	2	5.5
## 426	2000644	73	82	5	2.0
## 427	2000149	317	428	5	7.0
## 428	2000534	141	109	3	4.0
## 429	2000466	178	377	4	2.4
## 430	2000077	277	143	0	1.8
## 431	2000966	342	307	3	9.7
## 432	2000712	63	436	3	6.9
## 433	2000335	141	445	0	8.4
## 434	2000160	61	140	0	3.0
## 435	2000480	294	149	0	6.1
## 436	2000920	207	69	3	4.7
## 437	2000368	215	310	3	1.5
## 438	2000325	155	353	4	1.1
## 439	2000586	305	2	5	4.1
## 440	2000465	289	120	0	6.7
## 441	2000284	342	55	1	1.3
## 442	2000052	200	215	5	8.3
## 443	2000017	42	416	4	6.0

## 444	2000975	89	121	5	6.7
## 445	2000420	158	42	1	6.3
## 446	2000310	132	357	2	9.9
## 447	2000757	124	197	2	9.4
## 448	2000315	29	444	1	3.3
## 449	2000933	170	233	4	2.3
## 450	2000069	47	486	5	6.1
## 451	2000684	197	494	4	6.6
## 452	2000768	6	325	2	5.8
## 453	2000159	197	294	0	2.2
## 454	2000042	89	205	3	2.6
## 455	2000818	90	104	0	4.9
## 456	2000880	13	365	1	7.3
## 457	2000845	175	145	0	6.4
## 458	2000045	207	33	0	6.0
## 459	2000970	35	455	0	4.5
## 460	2000803	103	185	0	5.1
## 461	2000746	23	135	4	4.0
## 462	2000116	293	120	5	8.0
## 463	2000237	333	406	0	4.8
## 464	2000798	87	73	5	2.2
## 465	2000726	33	169	5	4.9
## 466	2000097	265	343	3	9.3
## 467	2000569	133	401	4	5.7
## 468	2000421	178	443	3	5.4
## 469	2000018	175	406	5	8.7
## 470	2000311	109	199	2	3.6
## 471	2000478	4	172	2	8.5
## 472	2000983	298	404	1	8.0
## 473	2000364	261	95	4	8.9
## 474	2000366	289	209	3	8.4
## 475	2000697	173	70	3	1.0
## 476	2000580	198	270	0	5.9
## 477	2000005	151	333	3	1.9
## 478	2000732	116	266	3	5.1
## 479	2000969	234	59	3	7.9
## 480	2000771	28	318	4	5.8
## 481	2000623	30	274	0	2.7
## 482	2000291	232	235	5	6.1
## 483	2000728	22	340	5	7.0
## 484	2000387	14	249	0	3.8
## 485	2000692	217	448	2	7.1
## 486	2000188	67	90	0	6.0
## 487	2000234	155	197	5	2.3
## 488	2000463	320	301	2	4.5
## 489	2000714	206	424	2	6.0
## 490	2000603	122	119	5	4.4
## 491	2000532	69	32	0	8.4
## 492	2000268	338	468	2	9.1
## 493	2000806	316	191	0	4.1
## 494	2000672	180	404	1	6.1
## 495	2000276	127	191	2	5.8
## 496	2000105	271	331	0	6.4
## 497	2000756	253	114	1	5.5

## 498	2000202	282	178	5	9.7
## 499	2000238	150	106	4	6.2
## 500	2000332	253	291	0	3.1
## 501	2000432	105	201	0	5.1
## 502	2000505	226	394	2	1.1
## 503	2000693	345	359	2	7.1
## 504	2000848	270	500	0	1.9
## 505	2000174	162	466	1	1.7
## 506	2000548	14	406	3	7.6
## 507	2000596	29	407	0	8.1
## 508	2000993	41	99	4	2.7
## 509	2000491	237	342	2	1.9
## 510	2000833	176	418	0	9.4
## 511	2000362	193	187	0	0.0
## 512	2000562	240	151	2	6.2
## 513	2000151	348	143	1	2.0
## 514	2000825	195	384	4	9.2
## 515	2000652	280	88	2	2.9
## 516	2000774	350	357	4	5.6
## 517	2000671	38	46	0	2.7
## 518	2000576	220	84	1	8.2
## 519	2000965	172	95	1	1.0
## 520	2000984	101	320	5	2.4
## 521	2000571	214	386	1	1.4
## 522	2000597	317	90	4	3.8
## 523	2000320	239	207	0	3.0
## 524	2000036	135	48	1	9.0
## 525	2000882	98	66	4	0.0
## 526	2000120	155	404	1	7.3
## 527	2000474	291	257	3	2.2
## 528	2000147	334	186	3	3.1
## 529	2000395	70	183	3	5.4
## 530	2000024	120	198	0	9.1
## 531	2000870	46	111	0	6.5
## 532	2000121	178	129	0	6.1
## 533	2000611	312	15	0	1.5
## 534	2000977	315	319	5	7.4
## 535	2000191	222	331	2	8.6
## 536	2000458	89	421	4	5.5
## 537	2000468	70	98	5	7.4
## 538	2000753	282	441	4	5.2
## 539	2000592	317	2	4	7.0
## 540	2000047	217	424	5	3.0
## 541	2000068	127	498	2	5.0
## 542	2000142	91	259	5	4.2
## 543	2000547	112	258	2	1.5
## 544	2000386	328	495	4	4.2
## 545	2000163	178	343	3	3.3
## 546	2000793	213	92	5	9.8
## 547	2000175	102	187	1	8.3
## 548	2000865	181	59	0	6.1
## 549	2000664	273	365	1	8.1
## 550	2000951	207	364	5	0.1
## 551	2000853	251	221	3	5.8

## 552	2000446	331	112	0	1.5
## 553	2000731	182	411	5	7.4
## 554	2000704	28	396	5	3.3
## 555	2000271	263	290	0	8.2
## 556	2000721	267	401	5	6.5
## 557	2000738	284	292	5	8.3
## 558	2000114	95	378	0	8.6
## 559	2000868	119	427	1	2.0
## 560	2000591	89	88	1	4.7
## 561	2000890	242	235	2	9.6
## 562	2000280	303	241	3	3.8
## 563	2000678	218	186	3	2.3
## 564	2000221	72	191	5	0.2
## 565	2000996	128	458	0	9.6
## 566	2000215	119	255	4	5.0
## 567	2000535	174	342	1	1.6
## 568	2000944	61	382	4	1.0
## 569	2000348	125	469	2	9.0
## 570	2000994	97	267	1	4.8
## 571	2000305	276	20	3	8.9
## 572	2000448	328	202	1	9.8
## 573	2000988	239	281	3	6.4
## 574	2000578	163	326	5	4.1
## 575	2000192	9	161	1	5.1
## 576	2000054	200	164	1	8.0
## 577	2000110	24	340	0	3.9
## 578	2000155	94	234	0	3.3
## 579	2000118	247	315	3	2.5
## 580	2000442	188	8	4	6.8
## 581	2000605	114	238	2	0.9
## 582	2000359	90	283	0	4.8
## 583	2000741	81	289	0	9.2
## 584	2000190	292	229	5	4.4
## 585	2000153	148	306	0	9.5
## 586	2000961	202	399	2	10.0
## 587	2000027	259	52	3	3.2
## 588	2000887	318	52	3	1.0
## 589	2000100	311	108	4	5.9
## 590	2000288	179	329	3	8.6
## 591	2000766	99	28	0	7.4
## 592	2000631	161	482	0	0.1
## 593	2000769	144	166	0	0.8
## 594	2000169	170	152	3	8.1
## 595	2000510	264	432	5	1.4
## 596	2000167	14	263	5	6.2
## 597	2000546	146	117	1	5.7
## 598	2000103	188	438	0	2.9
## 599	2000554	197	174	0	0.5
## 600	2000609	236	172	2	3.5
## 601	2000312	64	40	1	8.1
## 602	2000533	336	233	3	2.0
## 603	2000286	229	76	5	6.4
## 604	2000824	120	372	1	1.7
## 605	2000055	326	39	0	9.9

## 606	2000564	346	282	0	2.0
## 607	2000023	10	473	5	1.6
## 608	2000667	233	227	3	4.9
## 609	2000585	128	96	1	0.0
## 610	2000911	306	136	0	3.9
## 611	2000183	2	378	4	4.8
## 612	2000331	335	200	1	2.9
## 613	2000968	69	22	1	8.9
## 614	2000846	48	224	2	0.6
## 615	2000558	312	249	0	2.6
## 616	2000683	170	270	2	8.8
## 617	2000504	135	160	0	5.8
## 618	2000256	238	197	4	8.0
## 619	2000621	171	44	5	4.4
## 620	2000204	26	355	4	2.3
## 621	2000679	40	244	5	9.4
## 622	2000727	319	69	5	7.7
## 623	2000222	307	311	3	2.2
## 624	2000403	136	456	3	6.2
## 625	2000379	263	102	3	1.4
## 626	2000270	37	117	3	7.9
## 627	2000689	228	488	4	2.3
## 628	2000549	45	257	5	7.0
## 629	2000782	278	32	0	5.4
## 630	2000864	256	475	4	2.9
## 631	2000358	32	116	4	1.9
## 632	2000566	239	237	0	3.7
## 633	2000877	7	111	1	3.3
## 634	2000406	198	390	3	9.5
## 635	2000058	107	350	2	4.6
## 636	2000648	331	138	4	5.9
## 637	2000218	291	440	1	6.7
## 638	2001000	116	427	4	5.0
## 639	2000185	18	205	0	5.6
## 640	2000244	208	422	0	5.9
## 641	2000950	269	161	5	1.2
## 642	2000762	19	477	0	4.1
## 643	2000228	210	162	1	9.0
## 644	2000842	253	93	5	6.7
## 645	2000197	206	461	3	5.5
## 646	2000002	68	231	4	7.6
## 647	2000394	273	222	1	7.9
## 648	2000503	341	330	3	2.3
## 649	2000009	5	209	2	8.8
## 650	2000032	111	257	2	7.4
## 651	2000193	300	29	5	2.8
## 652	2000810	157	288	3	6.4
## 653	2000749	189	65	1	4.7
## 654	2000717	303	414	4	4.8
## 655	2000742	139	421	3	0.8
## 656	2000476	327	453	1	5.3
## 657	2000171	281	260	1	5.6
## 658	2000734	8	443	4	6.9
## 659	2000079	304	317	5	6.2

## 660	2000997	217	227	5	7.6
## 661	2000849	35	112	2	7.8
## 662	2000417	70	460	4	6.7
## 663	2000324	45	184	0	0.2
## 664	2000162	180	308	2	0.7
## 665	2000593	281	19	3	3.7
## 666	2000087	49	166	2	1.0
## 667	2000150	145	348	0	6.8
## 668	2000542	244	211	5	3.9
## 669	2000014	265	39	2	4.0
## 670	2000561	166	404	4	4.3
## 671	2000527	241	183	0	1.4
## 672	2000124	81	489	0	5.7
## 673	2000010	31	306	1	3.6
## 674	2000744	234	298	3	8.3
## 675	2000198	219	259	0	6.8
## 676	2000570	309	214	5	3.4
## 677	2000080	298	64	0	3.0
## 678	2000851	217	265	0	7.0
## 679	2000260	271	333	1	5.5
## 680	2000220	112	271	0	0.2
## 681	2000521	198	468	2	6.0
## 682	2000454	134	110	4	0.2
## 683	2000974	32	400	0	5.4
## 684	2000107	148	156	2	7.2
## 685	2000186	168	287	2	0.3
## 686	2000601	336	259	1	1.9
## 687	2000453	321	314	0	7.8
## 688	2000827	17	294	4	9.1
## 689	2000516	289	479	0	4.0
## 690	2000615	126	118	1	8.4
## 691	2000979	290	181	5	0.9
## 692	2000958	344	54	2	6.2
## 693	2000686	47	225	5	4.5
## 694	2000231	162	409	2	2.4
## 695	2000196	94	480	3	3.7
## 696	2000233	208	207	3	3.0
## 697	2000262	323	490	1	4.2
## 698	2000001	211	25	4	4.1
## 699	2000885	19	226	4	5.1
## 700	2000330	1	452	4	4.2
## 701	2000743	330	84	5	0.0
## 702	2000962	339	181	2	8.9
## 703	2000675	39	190	3	5.3
## 704	2000180	251	80	3	3.1
## 705	2000479	139	68	3	3.1
## 706	2000650	90	291	4	4.9
## 707	2000745	54	355	3	9.4
## 708	2000343	228	426	1	3.4
## 709	2000041	285	403	4	5.3
## 710	2000413	318	500	1	6.4
## 711	2000773	167	228	3	8.6
## 712	2000119	309	91	5	6.4
## 713	2000947	285	62	1	9.1

## 714	2000035	206	272	0	9.9
## 715	2000115	152	437	2	0.5
## 716	2000922	134	121	3	1.8
## 717	2000573	194	84	1	5.9
## 718	2000422	159	347	4	0.0
## 719	2000469	87	185	5	3.8
## 720	2000891	139	163	4	4.6
## 721	2000165	10	379	0	10.0
## 722	2000755	111	360	3	0.4
## 723	2000279	195	174	2	6.9
## 724	2000134	333	307	5	4.9
## 725	2000875	294	139	0	5.7
## 726	2000779	317	165	3	3.7
## 727	2000436	329	451	5	0.3
## 728	2000363	45	140	5	7.1
## 729	2000412	115	245	2	9.3
## 730	2000326	329	434	3	3.1
## 731	2000136	112	229	4	9.4
## 732	2000559	347	37	3	8.3
## 733	2000434	306	96	0	1.5
## 734	2000690	148	96	3	4.9
## 735	2000582	294	431	3	7.2
## 736	2000805	10	351	5	0.5
## 737	2000894	151	227	2	4.7
## 738	2000179	100	367	1	6.0
## 739	2000673	342	461	5	6.7
## 740	2000565	117	34	0	2.5
## 741	2000146	154	20	4	7.0
## 742	2000658	187	29	1	4.7
## 743	2000804	229	40	2	6.5
## 744	2000102	189	324	5	4.4
## 745	2000263	7	498	2	4.2
## 746	2000217	107	419	4	5.0
## 747	2000862	297	163	3	0.2
## 748	2000166	254	301	2	7.4
## 749	2000061	28	352	0	2.2
## 750	2000416	285	271	4	5.6
## 751	2000722	25	448	3	8.3
## 752	2000452	30	300	2	1.2
## 753	2000960	175	46	5	8.4
## 754	2000857	31	226	3	2.1
## 755	2000106	309	203	5	0.1
## 756	2000912	261	106	4	9.5
## 757	2000433	266	380	0	3.7
## 758	2000034	25	181	5	7.8
## 759	2000176	166	429	2	0.9
## 760	2000355	8	113	1	4.4
## 761	2000471	36	431	1	1.6
## 762	2000431	155	410	1	1.8
## 763	2000258	348	467	3	8.9
## 764	2000098	203	481	1	9.6
## 765	2000470	144	2	3	2.8
## 766	2000213	342	326	4	6.8
## 767	2000056	218	216	3	7.2

## 768	2000398	54	436	0	5.6
## 769	2000691	329	357	0	6.7
## 770	2000778	21	47	4	7.5
## 771	2000122	48	465	4	7.0
## 772	2000813	296	170	0	3.3
## 773	2000449	221	212	4	2.8
## 774	2000261	121	333	5	6.3
## 775	2000062	337	35	3	4.2
## 776	2000895	347	187	5	0.7
## 777	2000428	256	397	4	8.2
## 778	2000838	269	197	3	7.5
## 779	2000161	130	448	5	6.4
## 780	2000093	133	255	4	5.1
## 781	2000111	26	170	1	4.4
## 782	2000730	305	31	0	3.1
## 783	2000243	235	484	2	1.8
## 784	2000610	123	245	5	5.2
## 785	2000706	210	153	2	1.5
## 786	2000651	96	217	0	2.5
## 787	2000203	267	51	2	2.6
## 788	2000579	251	431	1	7.6
## 789	2000867	5	234	5	2.4
## 790	2000893	145	141	1	7.0
## 791	2000365	150	34	2	4.4
## 792	2000246	42	108	4	2.8
## 793	2000020	9	23	0	3.4
## 794	2000351	294	334	0	6.1
## 795	2000383	170	137	3	0.1
## 796	2000352	145	353	1	3.4
## 797	2000447	158	6	2	6.5
## 798	2000482	27	65	4	1.9
## 799	2000723	331	200	1	5.9
## 800	2000802	310	213	0	1.5
## 801	2000030	176	224	1	0.9
## 802	2000206	106	254	0	1.5
## 803	2000976	45	492	2	4.3
## 804	2000934	342	145	0	4.5
## 805	2000519	60	404	5	0.4
## 806	2000301	109	241	5	6.5
## 807	2000917	170	93	5	8.1
## 808	2000669	279	84	1	7.0
## 809	2000567	33	41	0	5.1
## 810	2000084	193	43	0	2.1
## 811	2000450	10	206	4	9.8
## 812	2000632	140	347	5	7.6
## 813	2000281	144	395	5	6.2
## 814	2000409	122	31	5	2.2
## 815	2000064	205	248	3	5.8
## 816	2000954	218	108	0	8.8
## 817	2000522	297	26	4	2.2
## 818	2000247	141	26	4	9.8
## 819	2000897	142	350	1	4.3
## 820	2000820	67	200	0	6.4
## 821	2000952	25	117	5	3.1

## 822	2000026	83	188	4	4.6
## 823	2000886	25	327	0	3.4
## 824	2000347	245	102	0	3.3
## 825	2000400	167	395	3	0.2
## 826	2000334	216	69	5	2.5
## 827	2000043	115	211	4	9.9
## 828	2000287	21	204	3	2.5
## 829	2000375	335	292	3	2.5
## 830	2000552	173	178	0	1.3
## 831	2000329	323	442	4	2.7
## 832	2000892	266	322	4	3.8
## 833	2000408	152	391	2	8.2
## 834	2000418	59	404	1	9.7
## 835	2000209	225	449	1	4.8
## 836	2000606	306	457	4	5.9
## 837	2000646	112	420	0	8.1
## 838	2000249	65	340	1	7.3
## 839	2000733	211	19	3	7.1
## 840	2000086	107	5	2	7.0
## 841	2000599	160	485	0	6.5
## 842	2000872	340	350	3	9.4
## 843	2000139	140	94	0	5.3
## 844	2000707	350	230	0	1.8
## 845	2000770	294	140	5	2.8
## 846	2000053	205	64	5	0.7
## 847	2000472	14	250	5	7.5
## 848	2000424	343	303	0	5.0
## 849	2000884	88	107	0	8.6
## 850	2000524	216	369	2	0.8
## 851	2000390	145	53	1	1.2
## 852	2000143	44	71	1	6.1
## 853	2000117	180	460	3	7.2
## 854	2000224	255	195	4	8.7
## 855	2000317	85	154	5	4.9
## 856	2000801	225	207	0	2.2
## 857	2000189	350	56	2	5.8
## 858	2000925	298	157	4	1.1
## 859	2000759	38	423	5	1.3
## 860	2000545	54	103	0	7.6
## 861	2000927	18	136	5	7.5
## 862	2000688	238	106	3	7.8
## 863	2000640	22	155	2	5.7
## 864	2000509	5	476	2	7.4
## 865	2000767	84	496	5	1.8
## 866	2000881	2	187	0	7.5
## 867	2000995	93	389	4	1.1
## 868	2000539	131	95	0	4.3
## 869	2000633	244	19	2	5.3
## 870	2000850	146	316	3	0.9
## 871	2000236	284	398	1	2.7
## 872	2000866	206	73	3	0.1
## 873	2000494	327	339	1	2.6
## 874	2000021	273	273	4	1.5
## 875	2000629	296	258	1	8.6

## 876	2000840	300	168	2	3.8
## 877	2000437	303	408	3	4.1
## 878	2000626	64	301	5	0.7
## 879	2000337	299	96	3	4.9
## 880	2000986	232	296	3	0.1
## 881	2000277	39	275	4	5.4
## 882	2000382	184	76	3	0.5
## 883	2000616	245	123	1	0.2
## 884	2000929	155	143	3	5.6
## 885	2000763	115	153	4	6.6
## 886	2000257	320	183	0	4.8
## 887	2000388	28	200	2	5.8
## 888	2000595	304	21	0	3.8
## 889	2000938	221	329	0	8.3
## 890	2000013	90	279	4	8.8
## 891	2000425	130	236	0	1.7
## 892	2000788	108	309	4	10.0
## 893	2000008	160	154	2	3.8
## 894	2000694	38	174	5	4.9
## 895	2000278	37	44	0	4.0
## 896	2000748	81	278	2	1.9
## 897	2000981	22	226	1	1.2
## 898	2000075	146	63	0	9.9
## 899	2000273	331	437	0	9.0
## 900	2000660	60	32	1	6.7
## 901	2000498	305	340	5	5.7
## 902	2000214	143	484	5	3.7
## 903	2000321	86	443	1	4.7
## 904	2000485	74	300	0	0.3
## 905	2000607	208	117	5	3.3
## 906	2000939	107	65	4	7.6
## 907	2000475	274	472	3	4.3
## 908	2000630	144	314	0	4.9
## 909	2000754	240	474	0	9.3
## 910	2000487	187	235	4	7.6
## 911	2000506	114	136	2	1.5
## 912	2000529	59	12	4	4.9
## 913	2000137	81	496	4	2.9
## 914	2000308	133	133	4	6.9
## 915	2000129	189	167	5	3.7
## 916	2000456	299	192	0	1.4
## 917	2000462	96	89	5	1.5
## 918	2000076	158	90	2	8.6
## 919	2000445	171	149	0	2.1
## 920	2000295	236	373	1	0.9
## 921	2000953	241	297	5	8.3
## 922	2000090	314	397	0	0.4
## 923	2000050	53	294	5	3.5
## 924	2000490	66	335	1	0.8
## 925	2000441	166	207	5	6.6
## 926	2000677	73	85	1	6.9
## 927	2000078	282	300	2	3.4
## 928	2000528	121	423	5	3.2
## 929	2000091	324	146	0	5.4

## 930	2000543	226	413	0	7.4
## 931	2000963	213	197	4	1.7
## 932	2000333	218	257	2	0.4
## 933	2000568	117	406	0	8.4
## 934	2000253	323	456	0	0.5
## 935	2000614	231	296	5	8.1
## 936	2000070	84	293	2	0.3
## 937	2000339	324	395	0	5.5
## 938	2000518	330	120	0	9.1
## 939	2000065	161	202	0	6.8
## 940	2000211	172	367	5	8.4
## 941	2000177	150	40	5	9.2
## 942	2000735	249	261	2	0.2
## 943	2000906	305	309	0	2.4
## 944	2000639	141	51	3	0.2
## 945	2000914	232	49	4	5.2
## 946	2000653	128	335	5	9.7
## 947	2000858	292	370	1	1.7
## 948	2000563	318	357	5	1.9
## 949	2000555	327	442	2	6.2
## 950	2000101	281	146	0	8.5
## 951	2000791	212	78	1	3.4
## 952	2000168	67	91	1	4.6
## 953	2000676	304	387	4	0.9
## 954	2000758	156	148	3	1.4
## 955	2000239	290	303	1	9.9
## 956	2000459	258	495	3	4.8
## 957	2000248	264	280	0	2.8
## 958	2000235	98	315	5	4.0
## 959	2000073	60	430	2	9.6
## 960	2000943	137	60	5	9.9
## 961	2000574	147	428	5	4.3
## 962	2000300	249	485	5	9.9
## 963	2000316	278	267	1	3.5
## 964	2000397	46	125	2	0.0
## 965	2000525	286	38	5	0.4
## 966	2000598	56	284	3	8.1
## 967	2000156	284	53	4	7.1
## 968	2000314	194	22	0	4.7
## 969	2000378	216	435	1	0.9
## 970	2000550	167	184	4	9.9
## 971	2000360	306	79	1	9.2
## 972	2000928	274	284	0	1.1
## 973	2000299	141	386	2	5.1
## 974	2000208	323	332	4	3.6
## 975	2000797	54	31	3	9.6
## 976	2000736	133	414	5	4.1
## 977	2000252	206	394	3	2.7
## 978	2000066	289	455	5	9.6
## 979	2000964	295	143	2	8.5
## 980	2000414	226	178	2	5.6
## 981	2000501	283	464	1	7.5
## 982	2000764	7	231	2	6.5
## 983	2000158	36	416	3	5.4

## 984	2000844	131	289	5	6.5
## 985	2000219	209	307	3	9.0
## 986	2000016	236	403	1	8.2
## 987	2000440	158	279	1	2.9
## 988	2000645	305	477	3	9.6
## 989	2000641	210	32	0	2.4
## 990	2000540	301	47	4	7.3
## 991	2000125	23	143	0	5.3
## 992	2000909	223	282	5	9.3
## 993	2000318	308	68	5	9.6
## 994	2000711	248	269	2	8.4
## 995	2000464	95	469	0	9.8
## 996	2000154	2	19	0	7.3
## 997	2000377	163	497	4	1.4
## 998	2000304	167	210	3	7.2
## 999	2000380	208	430	4	3.4
## 1000	2000637	260	490	1	9.0
##	Research.Interest	Maths.Score	English.Score	CS.Score	TOEFL.Score2
## 1	0	134	330	344	78.4
## 2	1	23	5	301	328.3
## 3	1	48	318	128	57.4
## 4	1	71	327	266	151.2
## 5	0	104	19	245	65.1
## 6	1	281	247	306	336.7
## 7	0	58	333	105	55.3
## 8	1	271	247	49	158.9
## 9	1	192	241	197	25.2
## 10	0	7	189	34	173.6
## 11	0	40	309	341	109.2
## 12	1	107	11	242	280.7
## 13	0	23	172	122	301.7
## 14	0	185	146	245	40.6
## 15	0	106	333	18	91.0
## 16	1	183	278	242	158.2
## 17	0	225	28	265	13.3
## 18	1	152	92	19	71.4
## 19	0	111	68	170	349.3
## 20	1	239	348	104	65.1
## 21	1	188	170	315	153.3
## 22	0	156	2	51	308.7
## 23	1	4	234	20	121.1
## 24	0	258	82	201	173.6
## 25	0	93	176	85	74.2
## 26	0	3	225	32	345.1
## 27	0	28	38	241	266.7
## 28	0	131	64	188	85.4
## 29	0	295	242	103	109.2
## 30	0	130	102	333	58.1
## 31	0	301	153	65	306.6
## 32	0	318	212	250	256.2
## 33	0	112	310	87	64.4
## 34	1	136	255	343	259.7
## 35	1	273	309	324	240.1
## 36	0	47	199	105	263.9

## 37	0	248	154	212	165.9
## 38	0	205	242	54	177.1
## 39	0	11	66	273	196.0
## 40	1	264	32	151	277.9
## 41	0	1	9	73	56.0
## 42	0	125	148	326	270.9
## 43	0	18	236	96	249.9
## 44	0	203	7	229	97.3
## 45	0	262	63	279	212.1
## 46	1	274	61	331	6.3
## 47	1	295	92	263	304.5
## 48	1	295	184	278	210.7
## 49	1	299	184	147	133.7
## 50	0	317	9	133	14.7
## 51	0	306	140	248	160.3
## 52	1	315	281	153	95.2
## 53	1	95	93	107	132.3
## 54	1	202	217	131	217.7
## 55	0	274	230	113	317.1
## 56	0	81	136	228	69.3
## 57	0	273	271	164	58.1
## 58	1	87	52	166	28.0
## 59	1	247	274	325	165.9
## 60	1	196	158	289	139.3
## 61	1	348	261	88	25.9
## 62	0	241	15	22	158.9
## 63	0	248	282	98	309.4
## 64	1	274	16	332	312.2
## 65	1	58	86	215	236.6
## 66	0	169	333	173	166.6
## 67	0	111	244	327	269.5
## 68	0	211	220	188	38.5
## 69	0	315	249	139	30.8
## 70	1	330	189	276	266.0
## 71	1	267	339	237	103.6
## 72	1	32	147	336	327.6
## 73	1	149	11	246	165.9
## 74	0	326	119	0	93.1
## 75	0	182	38	71	63.7
## 76	1	344	55	56	205.1
## 77	0	238	45	190	28.0
## 78	0	296	262	237	151.9
## 79	0	207	104	214	241.5
## 80	0	197	295	109	211.4
## 81	1	195	56	343	90.3
## 82	0	172	160	21	186.9
## 83	1	295	251	67	172.2
## 84	1	70	89	60	214.9
## 85	1	39	349	11	74.2
## 86	1	189	101	91	35.0
## 87	1	334	235	288	138.6
## 88	0	339	175	164	24.5
## 89	0	347	46	242	280.7
## 90	0	200	237	340	239.4

## 91	1	193	333	41	315.7
## 92	1	187	176	41	170.1
## 93	0	224	263	48	86.1
## 94	0	341	7	241	172.2
## 95	1	215	10	45	308.7
## 96	0	50	235	321	326.2
## 97	0	27	240	216	13.3
## 98	0	228	97	295	170.1
## 99	1	200	15	20	186.2
## 100	1	337	155	179	14.0
## 101	1	123	41	242	262.5
## 102	1	195	314	321	119.7
## 103	0	115	198	251	73.5
## 104	0	163	311	88	221.2
## 105	1	341	173	186	36.4
## 106	0	59	9	64	294.7
## 107	1	99	284	336	14.7
## 108	0	125	216	190	141.4
## 109	0	123	43	131	60.2
## 110	1	238	216	151	23.1
## 111	0	80	232	139	266.7
## 112	0	125	346	86	279.3
## 113	0	293	38	175	169.4
## 114	0	286	247	334	132.3
## 115	0	2	331	77	322.7
## 116	1	122	126	214	72.8
## 117	0	24	42	272	233.8
## 118	1	108	250	13	46.2
## 119	0	248	287	3	305.9
## 120	0	172	282	104	175.7
## 121	0	66	326	125	261.8
## 122	1	27	276	23	273.7
## 123	0	226	345	136	61.6
## 124	0	338	76	54	240.8
## 125	1	182	215	229	335.3
## 126	0	10	288	245	227.5
## 127	0	346	8	307	74.2
## 128	1	291	70	137	319.2
## 129	0	211	149	66	149.1
## 130	0	206	169	224	38.5
## 131	1	247	97	213	191.8
## 132	1	302	93	276	295.4
## 133	0	211	238	98	106.4
## 134	1	327	60	26	51.8
## 135	0	59	273	322	314.3
## 136	1	45	177	59	228.9
## 137	1	229	169	232	303.8
## 138	0	316	321	219	67.9
## 139	0	303	51	99	342.3
## 140	1	250	329	96	161.0
## 141	0	209	215	282	196.0
## 142	1	89	319	161	232.4
## 143	1	2	307	84	184.8
## 144	0	18	12	299	305.9

## 145	1	24	296	83	195.3
## 146	0	181	45	121	103.6
## 147	0	207	181	220	93.8
## 148	0	36	142	257	174.3
## 149	1	321	45	279	107.8
## 150	0	296	336	141	75.6
## 151	0	31	3	302	92.4
## 152	0	240	317	261	279.3
## 153	1	143	59	177	79.8
## 154	1	167	57	188	160.3
## 155	0	345	266	218	298.2
## 156	0	234	162	151	345.8
## 157	0	222	13	277	115.5
## 158	0	95	77	1	307.3
## 159	0	301	100	246	282.8
## 160	0	123	41	322	304.5
## 161	1	316	91	176	116.9
## 162	1	200	297	158	228.2
## 163	1	87	83	62	203.0
## 164	0	206	316	149	62.3
## 165	1	71	143	8	16.1
## 166	0	349	193	87	69.3
## 167	0	62	160	338	233.1
## 168	0	148	45	30	282.1
## 169	1	36	305	264	151.2
## 170	0	161	313	14	121.8
## 171	1	157	19	293	229.6
## 172	1	132	108	87	132.3
## 173	1	100	333	272	98.0
## 174	1	186	294	66	343.7
## 175	0	282	14	76	273.7
## 176	0	146	40	69	193.9
## 177	0	125	7	303	166.6
## 178	0	222	235	326	279.3
## 179	0	297	89	163	235.9
## 180	0	204	101	307	335.3
## 181	0	339	112	251	172.9
## 182	1	350	107	53	281.4
## 183	1	304	224	200	260.4
## 184	0	150	213	287	269.5
## 185	0	91	75	307	0.7
## 186	0	59	57	182	50.4
## 187	1	14	205	276	39.9
## 188	0	211	234	282	133.7
## 189	1	144	9	31	166.6
## 190	1	206	280	251	150.5
## 191	1	264	50	224	77.0
## 192	1	125	298	201	282.8
## 193	0	142	10	111	240.8
## 194	0	126	91	96	15.4
## 195	0	56	7	139	303.8
## 196	1	109	296	74	47.6
## 197	1	282	151	330	42.7
## 198	0	265	214	105	8.4

## 199	1	151	202	42	287.0
## 200	1	13	278	61	64.4
## 201	1	89	108	124	202.3
## 202	1	259	347	146	115.5
## 203	0	82	26	113	343.0
## 204	0	81	92	328	321.3
## 205	0	194	350	2	170.1
## 206	1	137	189	172	238.7
## 207	1	77	56	308	29.4
## 208	0	98	18	73	271.6
## 209	0	70	121	25	29.4
## 210	0	226	136	153	34.3
## 211	0	258	109	35	303.8
## 212	1	258	64	311	169.4
## 213	0	308	101	13	247.8
## 214	0	11	287	200	261.8
## 215	0	59	251	47	310.8
## 216	1	76	260	141	32.2
## 217	1	231	80	173	225.4
## 218	1	18	177	176	151.9
## 219	1	177	169	275	309.4
## 220	1	30	10	110	207.2
## 221	0	66	23	296	331.1
## 222	1	94	279	140	301.7
## 223	0	282	153	327	14.7
## 224	0	129	253	265	126.0
## 225	0	30	159	39	170.1
## 226	1	169	92	164	225.4
## 227	0	87	242	137	176.4
## 228	0	2	95	82	311.5
## 229	1	288	307	241	62.3
## 230	0	207	189	212	130.9
## 231	1	292	99	112	254.8
## 232	0	10	185	20	45.5
## 233	0	68	159	67	235.9
## 234	0	248	16	17	133.7
## 235	1	348	73	81	92.4
## 236	0	240	273	108	106.4
## 237	0	105	126	142	285.6
## 238	0	50	52	306	340.9
## 239	0	107	35	139	285.6
## 240	1	344	253	148	98.0
## 241	0	130	49	68	60.9
## 242	1	305	235	309	123.2
## 243	1	111	35	1	326.9
## 244	1	0	162	119	260.4
## 245	0	77	116	54	278.6
## 246	0	268	109	214	316.4
## 247	1	168	10	120	234.5
## 248	0	294	139	41	54.6
## 249	0	132	22	196	345.1
## 250	1	153	298	232	322.0
## 251	1	6	134	324	150.5
## 252	1	288	109	293	317.8

## 253	0	74	231	204	191.1
## 254	0	27	299	103	9.8
## 255	0	239	334	144	2.8
## 256	0	139	339	32	73.5
## 257	1	326	191	184	88.2
## 258	1	221	313	134	16.8
## 259	1	147	153	119	95.9
## 260	1	285	117	72	38.5
## 261	1	302	91	168	161.0
## 262	1	275	34	342	172.2
## 263	1	112	111	198	215.6
## 264	1	198	47	171	96.6
## 265	0	76	35	94	46.9
## 266	0	295	163	208	252.7
## 267	1	296	173	69	157.5
## 268	1	43	204	269	149.8
## 269	1	209	336	332	193.9
## 270	1	221	327	265	296.1
## 271	1	87	105	58	69.3
## 272	0	21	18	317	18.9
## 273	1	249	308	273	226.1
## 274	1	122	293	234	312.9
## 275	1	45	345	339	259.0
## 276	1	271	161	248	42.0
## 277	1	28	225	89	163.1
## 278	0	43	128	196	248.5
## 279	1	312	156	300	154.0
## 280	1	103	58	118	338.8
## 281	1	209	83	31	70.0
## 282	1	100	315	190	250.6
## 283	0	121	292	190	67.9
## 284	1	44	107	330	198.1
## 285	1	263	228	113	113.4
## 286	0	171	2	177	276.5
## 287	0	284	96	105	59.5
## 288	1	38	69	290	210.0
## 289	0	322	202	200	58.8
## 290	0	312	131	98	85.4
## 291	0	62	292	341	154.7
## 292	0	284	102	186	180.6
## 293	0	169	177	150	196.0
## 294	0	134	305	142	99.4
## 295	0	248	136	87	212.1
## 296	0	183	271	45	283.5
## 297	1	5	273	83	183.4
## 298	0	291	127	94	124.6
## 299	1	304	309	319	132.3
## 300	1	91	127	89	259.7
## 301	1	157	220	206	283.5
## 302	1	315	72	47	153.3
## 303	0	222	32	65	106.4
## 304	1	252	211	256	323.4
## 305	1	180	124	185	194.6
## 306	1	256	92	182	303.8

## 307	0	206	297	197	1.4
## 308	1	189	253	110	172.9
## 309	1	290	18	128	253.4
## 310	0	270	265	14	226.1
## 311	1	44	337	318	123.9
## 312	1	336	162	330	344.4
## 313	1	140	117	97	111.3
## 314	1	308	59	1	44.1
## 315	0	75	42	258	105.0
## 316	0	223	174	257	273.7
## 317	1	289	224	342	6.3
## 318	1	88	54	91	61.6
## 319	1	305	111	186	237.3
## 320	1	268	49	58	21.7
## 321	0	199	32	220	185.5
## 322	0	25	214	111	273.0
## 323	0	293	125	289	10.5
## 324	1	235	179	291	205.8
## 325	1	321	291	87	275.8
## 326	1	186	19	234	61.6
## 327	1	258	279	240	324.1
## 328	1	266	129	185	261.1
## 329	0	44	21	190	191.1
## 330	0	253	30	254	46.9
## 331	1	281	22	341	53.9
## 332	1	114	208	266	348.6
## 333	1	36	272	19	49.0
## 334	0	254	151	201	212.8
## 335	1	224	213	280	304.5
## 336	0	261	34	325	228.9
## 337	1	95	346	160	114.8
## 338	0	140	64	163	341.6
## 339	0	127	162	339	215.6
## 340	1	340	164	233	254.8
## 341	0	118	219	314	262.5
## 342	1	111	321	7	176.4
## 343	0	349	307	237	328.3
## 344	1	160	82	282	37.8
## 345	0	138	161	288	276.5
## 346	1	221	347	228	140.7
## 347	1	209	325	305	331.1
## 348	0	300	71	51	201.6
## 349	0	343	148	51	215.6
## 350	0	129	209	107	128.1
## 351	0	288	99	328	193.9
## 352	1	47	51	27	198.1
## 353	0	37	271	165	22.4
## 354	1	174	133	151	348.6
## 355	1	327	247	262	176.4
## 356	1	239	16	116	157.5
## 357	1	98	128	173	262.5
## 358	1	344	187	171	141.4
## 359	0	306	255	39	296.1
## 360	0	90	71	232	78.4

## 361	0	307	338	75	300.3
## 362	0	325	45	38	67.9
## 363	0	244	285	281	98.0
## 364	0	64	46	226	52.5
## 365	1	243	331	95	231.7
## 366	0	146	226	135	74.2
## 367	1	193	32	199	30.1
## 368	0	88	111	21	257.6
## 369	0	130	72	223	43.4
## 370	1	220	316	248	87.5
## 371	1	38	140	269	102.9
## 372	0	318	177	159	249.2
## 373	0	213	276	196	345.1
## 374	1	335	341	43	79.8
## 375	1	21	62	243	230.3
## 376	1	312	140	68	2.1
## 377	0	84	60	310	121.1
## 378	1	73	293	101	348.6
## 379	0	144	206	116	216.3
## 380	0	7	214	256	51.8
## 381	1	17	154	31	285.6
## 382	0	25	304	115	346.5
## 383	1	230	288	236	18.2
## 384	0	183	341	110	254.8
## 385	1	148	199	349	107.8
## 386	1	21	41	137	25.2
## 387	0	76	88	204	247.1
## 388	0	164	157	160	218.4
## 389	0	292	131	161	298.2
## 390	0	334	123	92	9.8
## 391	0	159	28	230	263.2
## 392	1	84	169	221	140.7
## 393	0	316	46	329	33.6
## 394	1	319	196	208	99.4
## 395	1	324	5	256	121.8
## 396	0	38	196	28	334.6
## 397	1	283	88	287	255.5
## 398	1	51	89	64	247.1
## 399	0	149	12	259	123.9
## 400	0	16	174	316	193.2
## 401	0	45	206	226	77.7
## 402	0	292	34	111	284.2
## 403	0	93	350	183	313.6
## 404	0	309	102	307	207.9
## 405	1	211	22	18	98.7
## 406	0	303	292	165	229.6
## 407	0	314	332	347	326.9
## 408	0	68	86	210	186.2
## 409	1	27	32	38	28.0
## 410	1	275	264	182	280.7
## 411	1	81	132	305	299.6
## 412	1	158	177	297	299.6
## 413	1	41	174	258	115.5
## 414	0	250	108	213	96.6

## 415	0	152	3	63	336.0
## 416	0	215	297	264	280.7
## 417	0	44	260	332	58.1
## 418	0	125	288	270	284.9
## 419	0	120	172	109	169.4
## 420	0	316	197	155	149.1
## 421	0	345	150	286	79.1
## 422	1	13	115	258	339.5
## 423	0	115	233	313	14.7
## 424	1	236	27	293	47.6
## 425	1	26	29	117	12.6
## 426	1	177	231	180	57.4
## 427	0	96	21	53	299.6
## 428	1	292	13	224	76.3
## 429	1	26	216	206	263.9
## 430	1	309	66	24	100.1
## 431	0	96	154	225	214.9
## 432	1	50	319	83	305.2
## 433	0	76	205	180	311.5
## 434	0	17	121	189	98.0
## 435	1	310	68	79	104.3
## 436	0	178	337	67	48.3
## 437	0	177	315	290	217.0
## 438	1	0	179	227	247.1
## 439	1	73	126	90	1.4
## 440	0	4	270	61	84.0
## 441	0	11	252	271	38.5
## 442	1	61	281	120	150.5
## 443	1	167	149	83	291.2
## 444	0	156	252	346	84.7
## 445	1	339	104	184	29.4
## 446	1	199	225	162	249.9
## 447	1	291	344	173	137.9
## 448	1	168	269	306	310.8
## 449	0	290	161	138	163.1
## 450	1	176	13	164	340.2
## 451	1	214	28	139	345.8
## 452	0	231	40	244	227.5
## 453	1	46	236	228	205.8
## 454	1	105	175	36	143.5
## 455	1	206	192	95	72.8
## 456	0	187	239	95	255.5
## 457	0	233	347	350	101.5
## 458	1	301	194	226	23.1
## 459	0	46	279	33	318.5
## 460	0	209	349	19	129.5
## 461	0	17	37	28	94.5
## 462	0	267	219	39	84.0
## 463	0	143	171	323	284.2
## 464	1	296	100	162	51.1
## 465	1	275	213	300	118.3
## 466	1	104	316	270	240.1
## 467	0	201	238	299	280.7
## 468	0	237	134	45	310.1

## 469	1	331	97	225	284.2
## 470	1	104	154	202	139.3
## 471	0	132	290	105	120.4
## 472	0	187	333	180	282.8
## 473	1	173	69	112	66.5
## 474	1	158	119	1	146.3
## 475	0	37	45	325	49.0
## 476	0	186	177	215	189.0
## 477	0	10	311	46	233.1
## 478	1	68	314	169	186.2
## 479	1	150	221	211	41.3
## 480	1	236	88	332	222.6
## 481	1	93	69	34	191.8
## 482	1	76	281	186	164.5
## 483	0	47	316	196	238.0
## 484	0	319	216	254	174.3
## 485	1	35	126	169	313.6
## 486	0	35	90	30	63.0
## 487	0	119	111	244	137.9
## 488	1	146	327	152	210.7
## 489	0	23	177	216	296.8
## 490	1	348	212	50	83.3
## 491	1	120	101	233	22.4
## 492	1	36	180	140	327.6
## 493	0	244	272	33	133.7
## 494	0	190	206	107	282.8
## 495	1	36	250	22	133.7
## 496	1	56	330	333	231.7
## 497	1	344	181	136	79.8
## 498	1	46	27	5	124.6
## 499	0	67	262	64	74.2
## 500	1	141	266	199	203.7
## 501	0	41	283	212	140.7
## 502	0	162	94	223	275.8
## 503	1	335	118	253	251.3
## 504	0	174	88	144	350.0
## 505	1	271	241	240	326.2
## 506	0	125	302	92	284.2
## 507	0	190	217	83	284.9
## 508	1	50	71	40	69.3
## 509	0	270	127	42	239.4
## 510	1	282	118	205	292.6
## 511	1	137	173	346	130.9
## 512	1	113	60	30	105.7
## 513	1	289	124	247	100.1
## 514	0	306	96	107	268.8
## 515	0	107	275	25	61.6
## 516	1	279	327	25	249.9
## 517	0	147	238	349	32.2
## 518	1	220	162	199	58.8
## 519	1	314	8	116	66.5
## 520	1	214	199	187	224.0
## 521	1	96	23	326	270.2
## 522	1	233	93	101	63.0

## 523	0	347	246	68	144.9
## 524	0	71	187	210	33.6
## 525	1	304	113	203	46.2
## 526	0	190	89	291	282.8
## 527	1	319	80	177	179.9
## 528	1	191	291	321	130.2
## 529	1	53	147	339	128.1
## 530	1	109	201	18	138.6
## 531	1	154	258	4	77.7
## 532	0	117	317	349	90.3
## 533	1	289	310	93	10.5
## 534	0	111	178	229	223.3
## 535	0	194	98	139	231.7
## 536	1	189	160	63	294.7
## 537	0	152	143	249	68.6
## 538	0	345	169	302	308.7
## 539	0	26	263	106	1.4
## 540	1	46	13	52	296.8
## 541	1	99	145	70	348.6
## 542	0	287	187	194	181.3
## 543	0	14	196	153	180.6
## 544	0	308	235	206	346.5
## 545	1	349	63	55	240.1
## 546	1	168	335	156	64.4
## 547	1	17	228	102	130.9
## 548	1	166	119	135	41.3
## 549	1	250	325	105	255.5
## 550	0	102	345	154	254.8
## 551	1	224	9	186	154.7
## 552	0	311	232	94	78.4
## 553	0	289	127	18	287.7
## 554	0	285	305	315	277.2
## 555	1	302	1	72	203.0
## 556	0	54	334	338	280.7
## 557	1	22	68	272	204.4
## 558	0	249	47	257	264.6
## 559	0	318	311	167	298.9
## 560	1	268	169	300	61.6
## 561	1	182	134	95	164.5
## 562	0	330	237	295	168.7
## 563	0	122	170	274	130.2
## 564	0	16	25	75	133.7
## 565	0	239	39	122	320.6
## 566	1	304	318	142	178.5
## 567	1	255	306	152	239.4
## 568	1	293	135	182	267.4
## 569	1	203	262	199	328.3
## 570	0	326	36	20	186.9
## 571	0	18	227	328	14.0
## 572	0	221	44	278	141.4
## 573	0	102	277	235	196.7
## 574	0	18	255	308	228.2
## 575	0	269	31	153	112.7
## 576	0	173	238	173	114.8

## 577	0	187	6	43	238.0
## 578	1	335	197	277	163.8
## 579	0	76	106	225	220.5
## 580	1	147	330	62	5.6
## 581	0	17	290	31	166.6
## 582	1	57	115	339	198.1
## 583	1	183	17	299	202.3
## 584	1	217	207	116	160.3
## 585	0	284	268	64	214.2
## 586	1	184	18	313	279.3
## 587	0	243	209	234	36.4
## 588	1	273	252	135	36.4
## 589	1	144	205	11	75.6
## 590	0	227	67	132	230.3
## 591	0	108	272	166	19.6
## 592	1	196	340	191	337.4
## 593	1	1	4	88	116.2
## 594	1	22	110	89	106.4
## 595	1	201	299	148	302.4
## 596	1	8	156	296	184.1
## 597	1	31	188	293	81.9
## 598	1	192	302	334	306.6
## 599	0	150	138	206	121.8
## 600	0	239	326	84	120.4
## 601	0	227	280	299	28.0
## 602	0	81	7	145	163.1
## 603	0	35	303	196	53.2
## 604	1	170	216	256	260.4
## 605	0	226	34	295	27.3
## 606	0	78	69	292	197.4
## 607	0	137	44	119	331.1
## 608	1	95	179	201	158.9
## 609	0	189	280	39	67.2
## 610	0	323	48	260	95.2
## 611	1	161	144	308	264.6
## 612	0	330	243	50	140.0
## 613	1	86	264	48	15.4
## 614	1	149	165	334	156.8
## 615	0	243	240	145	174.3
## 616	1	13	80	77	189.0
## 617	0	41	30	90	112.0
## 618	1	57	233	147	137.9
## 619	1	123	218	302	30.8
## 620	0	9	308	279	248.5
## 621	0	170	297	314	170.8
## 622	1	197	216	59	48.3
## 623	1	236	270	266	217.7
## 624	1	79	111	124	319.2
## 625	0	158	197	37	71.4
## 626	1	259	133	283	81.9
## 627	0	219	31	52	341.6
## 628	0	95	147	21	179.9
## 629	1	174	167	183	22.4
## 630	1	130	335	78	332.5

## 631	1	106	320	283	81.2
## 632	0	319	16	331	165.9
## 633	0	185	288	30	77.7
## 634	0	237	125	142	273.0
## 635	0	328	289	177	245.0
## 636	0	287	343	230	96.6
## 637	0	66	46	288	308.0
## 638	1	206	161	306	298.9
## 639	0	345	93	278	143.5
## 640	0	266	207	31	295.4
## 641	1	283	322	46	112.7
## 642	0	5	210	142	333.9
## 643	0	304	18	281	113.4
## 644	0	230	0	67	65.1
## 645	1	195	329	268	322.7
## 646	1	232	338	18	161.7
## 647	0	261	38	209	155.4
## 648	1	0	250	331	231.0
## 649	1	193	138	120	146.3
## 650	1	57	89	325	179.9
## 651	1	82	53	187	20.3
## 652	1	266	227	215	201.6
## 653	0	348	284	39	45.5
## 654	0	198	317	26	289.8
## 655	1	179	166	348	294.7
## 656	0	47	308	173	317.1
## 657	1	158	284	234	182.0
## 658	1	224	205	285	310.1
## 659	0	226	151	36	221.9
## 660	0	40	133	212	158.9
## 661	1	46	193	46	78.4
## 662	1	204	158	154	322.0
## 663	0	118	86	160	128.8
## 664	1	30	138	182	215.6
## 665	1	34	9	309	13.3
## 666	1	114	110	156	116.2
## 667	0	174	194	191	243.6
## 668	1	226	332	134	147.7
## 669	1	117	293	283	27.3
## 670	0	341	316	115	282.8
## 671	1	120	328	151	128.1
## 672	0	39	44	110	342.3
## 673	0	164	114	217	214.2
## 674	0	263	328	241	208.6
## 675	0	263	111	138	181.3
## 676	1	133	346	200	149.8
## 677	1	228	305	80	44.8
## 678	0	186	147	312	185.5
## 679	1	237	293	168	233.1
## 680	1	174	9	130	189.7
## 681	0	295	150	2	327.6
## 682	0	99	99	305	77.0
## 683	0	197	341	54	280.0
## 684	1	135	116	222	109.2

## 685	1	51	153	235	200.9
## 686	1	96	186	273	181.3
## 687	1	6	228	296	219.8
## 688	0	66	188	310	205.8
## 689	0	209	6	350	335.3
## 690	1	250	106	215	82.6
## 691	1	178	296	116	126.7
## 692	0	332	253	80	37.8
## 693	1	319	27	308	157.5
## 694	1	339	284	315	286.3
## 695	1	47	24	343	336.0
## 696	1	84	29	55	144.9
## 697	0	145	174	189	343.0
## 698	0	253	30	54	17.5
## 699	1	337	308	264	158.2
## 700	0	18	260	134	316.4
## 701	1	101	265	279	58.8
## 702	0	120	24	216	126.7
## 703	1	316	165	27	133.0
## 704	0	152	7	45	56.0
## 705	1	94	35	344	47.6
## 706	0	81	154	291	203.7
## 707	1	105	347	149	248.5
## 708	1	43	202	336	298.2
## 709	0	33	143	177	282.1
## 710	0	175	341	278	350.0
## 711	1	257	217	167	159.6
## 712	1	23	53	170	63.7
## 713	1	243	328	55	43.4
## 714	0	71	20	82	190.4
## 715	0	18	47	124	305.9
## 716	0	212	295	332	84.7
## 717	1	55	220	293	58.8
## 718	1	144	120	174	242.9
## 719	1	146	336	244	129.5
## 720	0	121	346	137	114.1
## 721	1	24	255	229	265.3
## 722	0	197	268	34	252.0
## 723	1	84	129	309	121.8
## 724	0	61	132	144	214.9
## 725	0	111	25	281	97.3
## 726	0	160	304	152	115.5
## 727	1	92	234	243	315.7
## 728	1	201	122	180	98.0
## 729	0	289	209	168	171.5
## 730	0	294	95	315	303.8
## 731	0	270	266	196	160.3
## 732	1	183	250	50	25.9
## 733	0	105	4	124	67.2
## 734	1	19	144	81	67.2
## 735	1	287	149	188	301.7
## 736	0	264	41	208	245.7
## 737	1	306	8	230	158.9
## 738	0	93	293	120	256.9

## 739	0	67	169	130	322.7
## 740	1	151	144	315	23.8
## 741	0	208	157	111	14.0
## 742	0	29	26	211	20.3
## 743	1	317	330	261	28.0
## 744	1	181	309	135	226.8
## 745	0	46	175	234	348.6
## 746	1	313	105	52	293.3
## 747	1	175	44	10	114.1
## 748	1	129	341	252	210.7
## 749	1	224	59	263	246.4
## 750	1	159	108	205	189.7
## 751	0	83	169	150	313.6
## 752	0	125	278	109	210.0
## 753	1	22	32	157	32.2
## 754	0	189	192	278	158.2
## 755	0	39	9	296	142.1
## 756	0	261	139	260	74.2
## 757	0	63	143	334	266.0
## 758	1	46	121	310	126.7
## 759	1	156	204	55	300.3
## 760	1	337	217	140	79.1
## 761	1	11	296	207	301.7
## 762	1	121	140	39	287.0
## 763	1	11	141	185	326.9
## 764	1	281	66	55	336.7
## 765	0	317	24	314	1.4
## 766	1	195	82	169	228.2
## 767	1	287	24	117	151.2
## 768	0	298	244	0	305.2
## 769	1	34	166	268	249.9
## 770	1	135	215	335	32.9
## 771	1	310	114	273	325.5
## 772	1	123	20	43	119.0
## 773	1	70	334	240	148.4
## 774	0	211	172	169	233.1
## 775	1	170	322	317	24.5
## 776	0	129	265	124	130.9
## 777	1	313	151	221	277.9
## 778	0	191	58	343	137.9
## 779	0	120	224	172	313.6
## 780	0	341	305	334	178.5
## 781	1	246	111	245	119.0
## 782	0	335	64	26	21.7
## 783	0	138	210	50	338.8
## 784	0	1	106	141	171.5
## 785	0	215	159	220	107.1
## 786	1	209	339	200	151.9
## 787	0	246	139	164	35.7
## 788	1	284	349	18	301.7
## 789	0	308	293	170	163.8
## 790	0	332	204	335	98.7
## 791	1	260	13	152	23.8
## 792	0	81	342	11	75.6

## 793	1	220	87	60	16.1
## 794	1	242	215	202	233.8
## 795	0	142	144	112	95.9
## 796	1	198	43	216	247.1
## 797	0	111	179	58	4.2
## 798	1	106	254	113	45.5
## 799	1	192	84	55	140.0
## 800	0	224	224	336	149.1
## 801	1	278	349	111	156.8
## 802	1	193	297	123	177.8
## 803	1	180	37	238	344.4
## 804	0	23	53	293	101.5
## 805	1	190	17	322	282.8
## 806	0	257	237	291	168.7
## 807	1	185	21	282	65.1
## 808	0	261	4	237	58.8
## 809	1	254	83	249	28.7
## 810	1	113	1	222	30.1
## 811	1	240	92	114	144.2
## 812	0	96	130	87	242.9
## 813	1	59	243	96	276.5
## 814	0	156	145	162	21.7
## 815	0	190	283	119	173.6
## 816	1	334	205	90	75.6
## 817	1	48	326	286	18.2
## 818	0	190	272	80	18.2
## 819	1	213	295	128	245.0
## 820	1	199	299	215	140.0
## 821	1	308	302	307	81.9
## 822	1	228	63	303	131.6
## 823	0	178	298	4	228.9
## 824	1	231	231	326	71.4
## 825	1	4	38	270	276.5
## 826	0	336	183	0	48.3
## 827	0	20	244	196	147.7
## 828	0	145	154	336	142.8
## 829	1	296	114	309	204.4
## 830	0	348	319	83	124.6
## 831	0	313	27	176	309.4
## 832	1	48	303	22	225.4
## 833	0	162	220	112	273.7
## 834	0	127	89	13	282.8
## 835	1	10	129	332	314.3
## 836	1	2	107	312	319.9
## 837	0	229	159	342	294.0
## 838	0	42	37	70	238.0
## 839	0	22	36	63	13.3
## 840	1	25	80	25	3.5
## 841	1	140	21	240	339.5
## 842	0	120	145	332	245.0
## 843	1	7	330	103	65.8
## 844	1	53	59	146	161.0
## 845	0	194	304	333	98.0
## 846	0	261	142	217	44.8

## 847	0	74	85	140	175.0
## 848	0	81	73	2	212.1
## 849	0	133	207	145	74.9
## 850	1	268	106	53	258.3
## 851	0	293	273	286	37.1
## 852	1	176	143	203	49.7
## 853	1	216	239	233	322.0
## 854	0	254	186	141	136.5
## 855	1	276	113	25	107.8
## 856	0	280	58	315	144.9
## 857	1	204	80	159	39.2
## 858	1	211	132	226	109.9
## 859	1	337	188	240	296.1
## 860	1	80	298	146	72.1
## 861	1	242	95	32	95.2
## 862	0	35	157	339	74.2
## 863	0	108	170	147	108.5
## 864	0	104	235	305	333.2
## 865	1	220	240	295	347.2
## 866	1	203	313	78	130.9
## 867	0	306	52	208	272.3
## 868	0	152	65	138	66.5
## 869	0	177	165	350	13.3
## 870	1	174	72	340	221.2
## 871	1	240	281	191	278.6
## 872	0	150	120	5	51.1
## 873	0	49	323	27	237.3
## 874	1	289	225	179	191.1
## 875	0	170	212	335	180.6
## 876	0	44	217	155	117.6
## 877	1	183	116	122	285.6
## 878	1	266	322	349	210.7
## 879	0	181	230	347	67.2
## 880	1	206	83	75	207.2
## 881	0	131	323	43	192.5
## 882	0	145	329	338	53.2
## 883	1	245	160	35	86.1
## 884	1	195	171	134	100.1
## 885	0	14	149	202	107.1
## 886	1	195	248	174	128.1
## 887	0	96	304	16	140.0
## 888	1	75	140	111	14.7
## 889	1	85	231	222	230.3
## 890	0	259	127	264	195.3
## 891	0	188	291	171	165.2
## 892	0	332	317	126	216.3
## 893	1	167	326	101	107.8
## 894	1	231	280	102	121.8
## 895	1	68	211	128	30.8
## 896	1	226	66	242	194.6
## 897	1	1	303	338	158.2
## 898	1	144	155	88	44.1
## 899	0	225	289	350	305.9
## 900	0	343	257	311	22.4

## 901	0	217	263	195	238.0
## 902	1	41	97	4	338.8
## 903	1	245	59	100	310.1
## 904	0	179	136	208	210.0
## 905	0	81	146	122	81.9
## 906	1	64	248	324	45.5
## 907	0	151	277	310	330.4
## 908	1	289	45	114	219.8
## 909	1	179	285	139	331.8
## 910	1	222	55	292	164.5
## 911	0	293	283	70	95.2
## 912	0	155	193	267	8.4
## 913	1	18	215	252	347.2
## 914	1	297	166	206	93.1
## 915	1	19	305	103	116.9
## 916	1	228	273	141	134.4
## 917	1	206	140	332	62.3
## 918	1	101	322	329	63.0
## 919	1	95	53	191	104.3
## 920	1	269	132	121	261.1
## 921	0	249	205	25	207.9
## 922	0	201	288	19	277.9
## 923	1	62	294	242	205.8
## 924	1	340	225	12	234.5
## 925	1	23	282	152	144.9
## 926	0	49	6	290	59.5
## 927	1	133	35	23	210.0
## 928	1	42	130	296	296.1
## 929	1	15	208	279	102.2
## 930	0	295	235	350	289.1
## 931	0	271	157	275	137.9
## 932	1	174	304	324	179.9
## 933	1	132	209	267	284.2
## 934	0	71	300	97	319.2
## 935	0	103	22	261	207.2
## 936	1	44	222	241	205.1
## 937	0	233	307	225	276.5
## 938	1	136	247	52	84.0
## 939	0	186	94	34	141.4
## 940	0	81	1	84	256.9
## 941	0	31	162	242	28.0
## 942	0	186	166	296	182.7
## 943	1	306	207	22	216.3
## 944	0	127	259	107	35.7
## 945	0	283	111	309	34.3
## 946	0	297	81	348	234.5
## 947	1	289	215	108	259.0
## 948	1	285	92	228	249.9
## 949	1	54	78	166	309.4
## 950	1	171	226	340	102.2
## 951	1	313	35	283	54.6
## 952	1	18	247	48	63.7
## 953	0	343	155	198	270.9
## 954	1	55	57	295	103.6

## 955	1	165	129	46	212.1
## 956	0	185	225	101	346.5
## 957	0	113	18	188	196.0
## 958	0	186	101	291	220.5
## 959	1	246	92	345	301.0
## 960	1	226	218	46	42.0
## 961	1	262	172	145	299.6
## 962	1	255	247	195	339.5
## 963	0	255	105	325	186.9
## 964	0	177	121	72	87.5
## 965	0	231	155	163	26.6
## 966	0	273	82	222	198.8
## 967	1	265	91	241	37.1
## 968	0	159	342	340	15.4
## 969	0	96	236	176	304.5
## 970	0	279	252	91	128.8
## 971	0	264	279	350	55.3
## 972	0	1	79	259	198.8
## 973	0	114	138	167	270.2
## 974	1	113	302	297	232.4
## 975	1	339	8	321	21.7
## 976	0	328	300	157	289.8
## 977	1	302	190	113	275.8
## 978	0	209	20	266	318.5
## 979	1	53	228	112	100.1
## 980	0	168	135	107	124.6
## 981	0	76	188	208	324.8
## 982	1	289	310	268	161.7
## 983	1	36	98	198	291.2
## 984	1	349	82	163	202.3
## 985	0	312	39	253	214.9
## 986	1	220	236	132	282.1
## 987	1	214	198	287	195.3
## 988	1	174	36	286	333.9
## 989	0	301	226	6	22.4
## 990	1	76	337	316	32.9
## 991	0	200	237	142	100.1
## 992	1	107	54	73	197.4
## 993	1	6	43	126	47.6
## 994	1	292	147	298	188.3
## 995	1	313	236	14	328.3
## 996	0	135	132	310	13.3
## 997	1	150	90	267	347.9
## 998	1	260	292	53	147.0
## 999	0	251	39	103	301.0
## 1000	1	241	216	298	343.0

Q3) Create a column to calculate percentage acquired by each student.

```
data_frame$Percentage <- ((data_frame$Maths.Score + data_frame$English.Score + data_frame$CS.Score + data_frame$GPA) / 4)
```

```
## Application.Number GRE.Score TOEFL.Score Previous.Category CGPA
```

## 1	2000647	307	112	3	2.5
## 2	2000477	128	469	5	2.2
## 3	2000536	284	82	0	3.7
## 4	2000444	298	216	5	0.1
## 5	2000985	290	93	3	7.9
## 6	2000049	286	481	0	7.1
## 7	2000072	55	79	0	2.5
## 8	2000617	172	227	2	8.6
## 9	2000282	314	36	3	6.9
## 10	2000059	19	248	0	3.1
## 11	2000272	344	156	4	4.2
## 12	2000356	56	401	5	4.9
## 13	2000705	166	431	2	6.4
## 14	2000520	186	58	5	6.9
## 15	2000451	114	130	0	4.8
## 16	2000553	187	226	3	9.4
## 17	2000620	247	19	4	8.9
## 18	2000998	227	102	1	0.7
## 19	2000698	263	499	4	0.4
## 20	2000619	256	93	2	6.9
## 21	2000879	256	219	4	8.3
## 22	2000949	178	441	0	9.4
## 23	2000889	232	173	4	0.7
## 24	2000696	274	248	5	5.6
## 25	2000226	266	106	4	9.5
## 26	2000665	160	493	4	0.8
## 27	2000971	97	381	5	2.9
## 28	2000112	280	122	5	7.2
## 29	2000240	265	156	3	8.6
## 30	2000701	2	83	2	6.1
## 31	2000361	115	438	3	5.5
## 32	2000157	114	366	1	4.1
## 33	2000517	340	92	1	9.2
## 34	2000259	329	371	2	9.3
## 35	2000869	303	343	0	7.5
## 36	2000094	210	377	4	3.9
## 37	2000957	54	237	0	5.9
## 38	2000004	169	253	0	8.5
## 39	2000941	77	280	3	7.8
## 40	2000541	290	397	0	1.9
## 41	2000132	37	80	2	5.1
## 42	2000296	350	387	5	0.1
## 43	2000643	313	357	2	6.4
## 44	2000302	221	139	5	2.6
## 45	2000438	215	303	1	0.0
## 46	2000319	175	9	3	4.0
## 47	2000625	302	435	2	1.1
## 48	2000908	77	301	1	9.4
## 49	2000649	201	191	0	9.1
## 50	2000405	108	21	4	8.2
## 51	2000274	7	229	4	1.6
## 52	2000560	293	136	0	1.5
## 53	2000761	314	189	3	9.4
## 54	2000718	136	311	4	5.3

## 55	2000012	151	453	3	4.4
## 56	2000777	261	99	5	1.5
## 57	2000514	252	83	0	3.7
## 58	2000393	242	40	0	2.7
## 59	2000126	331	237	4	1.7
## 60	2000531	6	199	3	2.3
## 61	2000396	319	37	0	1.3
## 62	2000716	328	227	3	1.6
## 63	2000775	20	442	5	3.2
## 64	2000275	248	446	0	0.3
## 65	2000959	334	338	3	8.8
## 66	2000936	248	238	5	6.4
## 67	2000812	242	385	2	6.6
## 68	2000830	190	55	0	0.4
## 69	2000819	310	44	1	6.0
## 70	2000828	12	380	1	8.7
## 71	2000608	173	148	0	6.3
## 72	2000715	147	468	2	7.8
## 73	2000926	334	237	2	7.8
## 74	2000937	279	133	2	4.6
## 75	2000594	29	91	4	8.3
## 76	2000786	93	293	4	0.1
## 77	2000439	69	40	5	2.5
## 78	2000088	349	217	4	8.4
## 79	2000402	171	345	1	3.0
## 80	2000760	3	302	5	9.5
## 81	2000709	235	129	2	1.6
## 82	2000861	83	267	5	0.7
## 83	2000392	177	246	5	9.6
## 84	2000242	226	307	0	7.4
## 85	2000948	39	106	1	4.2
## 86	2000787	65	50	0	4.1
## 87	2000991	243	198	1	0.4
## 88	2000170	103	35	3	5.2
## 89	2000905	154	401	5	2.1
## 90	2000624	213	342	4	4.4
## 91	2000212	311	451	0	5.1
## 92	2000931	256	243	3	4.5
## 93	2000843	310	123	4	0.8
## 94	2000780	200	246	2	7.3
## 95	2000033	155	441	4	0.3
## 96	2000662	243	466	1	4.7
## 97	2000508	67	19	4	4.1
## 98	2000839	33	243	0	8.6
## 99	2000695	10	266	0	8.6
## 100	2000345	149	20	4	4.4
## 101	2000751	237	375	2	8.5
## 102	2000809	8	171	3	5.1
## 103	2000720	64	105	3	3.6
## 104	2000710	62	316	3	9.5
## 105	2000708	93	52	5	0.7
## 106	2000173	185	421	2	10.0
## 107	2000404	185	21	3	8.1
## 108	2000808	10	202	5	0.2

## 109	2000071	141	86	4	2.0
## 110	2000040	282	33	2	9.7
## 111	2000702	94	381	4	5.8
## 112	2000847	218	399	5	7.8
## 113	2000340	231	242	5	0.8
## 114	2000860	137	189	5	8.1
## 115	2000201	272	461	0	3.8
## 116	2000194	53	104	4	7.9
## 117	2000700	275	334	4	3.1
## 118	2000737	159	66	1	4.4
## 119	2000999	262	437	2	4.2
## 120	2000342	16	251	1	4.1
## 121	2000216	283	374	5	9.4
## 122	2000051	17	391	0	3.1
## 123	2000415	87	88	4	1.8
## 124	2000956	334	344	4	7.1
## 125	2000028	245	479	1	8.5
## 126	2000229	221	325	3	3.0
## 127	2000713	250	106	0	0.3
## 128	2000426	190	456	4	3.8
## 129	2000338	340	213	0	0.5
## 130	2000636	148	55	1	7.3
## 131	2000896	12	274	5	3.5
## 132	2000483	120	422	4	8.3
## 133	2000628	39	152	5	7.0
## 134	2000164	56	74	3	2.3
## 135	2000854	46	449	4	2.8
## 136	2000411	263	327	0	2.3
## 137	2000455	105	434	5	2.7
## 138	2000060	296	97	2	2.6
## 139	2000612	57	489	2	5.5
## 140	2000942	161	230	5	3.2
## 141	2000481	252	280	4	8.2
## 142	2000871	90	332	3	5.9
## 143	2000391	350	264	0	5.8
## 144	2000878	102	437	0	4.5
## 145	2000357	236	279	5	1.7
## 146	2000900	176	148	4	9.5
## 147	2000081	47	134	2	8.3
## 148	2000919	238	249	2	2.7
## 149	2000294	334	154	0	9.1
## 150	2000495	177	108	2	8.4
## 151	2000423	264	132	4	3.2
## 152	2000799	8	399	3	0.9
## 153	2000515	11	114	4	2.7
## 154	2000500	236	229	2	10.0
## 155	2000123	241	426	2	2.7
## 156	2000410	98	494	0	9.3
## 157	2000489	16	165	3	1.7
## 158	2000537	156	439	0	9.4
## 159	2000109	42	404	2	9.8
## 160	2000443	315	435	1	4.2
## 161	2000916	199	167	1	6.2
## 162	2000457	312	326	0	0.4

## 163	2000685	174	290	3	1.9
## 164	2000067	10	89	3	4.6
## 165	2000876	285	23	5	7.4
## 166	2000739	217	99	2	7.4
## 167	2000902	44	333	3	9.5
## 168	2000011	217	403	1	5.5
## 169	2000512	233	216	2	7.1
## 170	2000292	347	174	5	2.8
## 171	2000940	39	328	0	0.8
## 172	2000493	248	189	1	5.4
## 173	2000486	332	140	2	0.9
## 174	2000724	127	491	0	5.4
## 175	2000207	43	391	4	5.2
## 176	2000921	251	277	1	2.3
## 177	2000303	288	238	0	5.8
## 178	2000910	283	399	2	6.2
## 179	2000572	327	337	4	6.3
## 180	2000046	277	479	2	6.0
## 181	2000230	346	247	0	4.5
## 182	2000816	77	402	4	0.4
## 183	2000251	216	372	1	6.1
## 184	2000210	289	385	0	8.9
## 185	2000602	9	1	0	2.6
## 186	2000003	71	72	3	0.4
## 187	2000019	150	57	4	1.6
## 188	2000025	170	191	0	8.9
## 189	2000182	98	238	4	0.4
## 190	2000898	94	215	0	2.4
## 191	2000488	239	110	5	5.1
## 192	2000037	61	404	3	2.7
## 193	2000544	274	344	0	6.3
## 194	2000241	178	22	2	9.2
## 195	2000144	170	434	3	6.4
## 196	2000511	322	68	0	7.4
## 197	2000680	52	61	5	2.8
## 198	2000346	330	12	4	6.9
## 199	2000747	216	410	5	4.2
## 200	2000499	320	92	0	9.1
## 201	2000223	308	289	2	8.2
## 202	2000096	13	165	1	6.5
## 203	2000859	297	490	4	6.3
## 204	2000399	46	459	4	1.3
## 205	2000874	182	243	0	2.3
## 206	2000923	143	341	4	9.3
## 207	2000826	46	42	2	9.9
## 208	2000584	337	388	0	8.3
## 209	2000350	4	42	5	3.8
## 210	2000063	318	49	1	5.2
## 211	2000661	60	434	4	7.4
## 212	2000435	58	242	2	6.7
## 213	2000903	267	354	1	7.4
## 214	2000899	163	374	1	6.8
## 215	2000674	14	444	0	3.9
## 216	2000670	78	46	1	1.0

## 217	2000133	101	322	5	4.5
## 218	2000613	42	217	3	0.1
## 219	2000699	92	442	1	7.3
## 220	2000283	298	296	5	5.0
## 221	2000659	84	473	1	9.4
## 222	2000829	317	431	3	7.6
## 223	2000473	144	21	2	2.6
## 224	2000638	194	180	0	3.7
## 225	2000800	161	243	2	5.8
## 226	2000298	46	322	0	2.4
## 227	2000429	306	252	3	0.3
## 228	2000205	314	445	3	8.8
## 229	2000374	20	89	3	9.0
## 230	2000888	109	187	1	5.1
## 231	2000663	334	364	0	6.4
## 232	2000604	295	65	0	0.3
## 233	2000497	15	337	2	3.9
## 234	2000863	41	191	4	8.5
## 235	2000015	8	132	5	6.5
## 236	2000789	236	152	3	6.6
## 237	2000823	90	408	3	5.0
## 238	2000832	102	487	3	2.8
## 239	2000145	113	408	0	6.2
## 240	2000719	108	140	2	9.7
## 241	2000924	225	87	5	2.1
## 242	2000265	214	176	2	6.0
## 243	2000945	76	467	3	7.2
## 244	2000918	58	372	3	1.7
## 245	2000430	206	398	3	6.3
## 246	2000655	235	452	3	8.9
## 247	2000127	10	335	2	4.4
## 248	2000057	281	78	3	1.6
## 249	2000622	51	493	1	5.1
## 250	2000384	299	460	5	9.7
## 251	2000781	11	215	2	6.8
## 252	2000385	92	454	0	3.1
## 253	2000266	8	273	5	4.6
## 254	2000152	297	14	0	2.8
## 255	2000526	152	4	4	3.6
## 256	2000401	215	105	3	0.7
## 257	2000932	203	126	5	4.0
## 258	2000083	279	24	1	6.9
## 259	2000082	109	137	0	7.8
## 260	2000195	348	55	2	0.9
## 261	2000855	27	230	4	9.6
## 262	2000461	93	246	2	0.0
## 263	2000138	190	308	3	2.5
## 264	2000590	57	138	0	9.9
## 265	2000099	19	67	2	5.4
## 266	2000583	122	361	3	3.0
## 267	2000227	137	225	2	5.9
## 268	2000967	110	214	4	2.7
## 269	2000946	65	277	4	0.4
## 270	2000822	102	423	0	9.0

## 271	2000353	288	99	2	1.2
## 272	2000589	252	27	4	0.3
## 273	2000232	261	323	2	1.9
## 274	2000814	81	447	3	4.3
## 275	2000178	178	370	4	5.1
## 276	2000031	170	60	3	6.6
## 277	2000837	11	233	3	5.1
## 278	2000460	24	355	4	3.3
## 279	2000095	280	220	3	6.5
## 280	2000750	154	484	2	5.6
## 281	2000367	254	100	3	6.5
## 282	2000642	160	358	5	4.8
## 283	2000725	93	97	1	2.6
## 284	2000682	243	283	4	1.7
## 285	2000795	96	162	1	6.5
## 286	2000815	308	395	1	2.0
## 287	2000373	190	85	5	9.7
## 288	2000765	100	300	1	5.2
## 289	2000293	186	84	3	5.3
## 290	2000467	160	122	2	7.9
## 291	2000523	17	221	4	6.3
## 292	2000581	74	258	5	2.8
## 293	2000349	274	280	5	4.3
## 294	2000807	127	142	5	1.7
## 295	2000856	53	303	0	4.1
## 296	2000618	36	405	2	3.2
## 297	2000980	254	262	5	5.1
## 298	2000419	50	178	5	6.3
## 299	2000108	236	189	0	2.0
## 300	2000131	36	371	3	2.0
## 301	2000372	163	405	2	2.5
## 302	2000369	117	219	1	6.5
## 303	2000973	110	152	3	8.6
## 304	2000513	11	462	4	6.9
## 305	2000883	140	278	3	4.6
## 306	2000269	23	434	1	4.7
## 307	2000681	299	2	5	5.4
## 308	2000784	135	247	1	7.2
## 309	2000666	110	362	1	9.3
## 310	2000703	232	323	3	6.2
## 311	2000007	300	177	4	2.0
## 312	2000496	335	492	2	6.3
## 313	2000427	340	159	4	8.4
## 314	2000289	192	63	3	5.5
## 315	2000587	314	150	2	6.8
## 316	2000507	154	391	0	7.9
## 317	2000836	118	9	3	5.1
## 318	2000972	92	88	3	4.5
## 319	2000370	35	339	5	1.2
## 320	2000140	112	31	5	7.4
## 321	2000376	48	265	3	9.6
## 322	2000327	36	390	4	2.2
## 323	2000148	164	15	4	1.5
## 324	2000113	174	294	4	5.4

## 325	2000796	205	394	4	7.3
## 326	2000199	337	88	3	2.8
## 327	2000729	328	463	0	3.3
## 328	2000935	106	373	1	5.4
## 329	2000297	19	273	5	5.9
## 330	2000556	309	67	4	9.2
## 331	2000817	294	77	3	7.3
## 332	2000600	346	498	0	8.2
## 333	2000022	162	70	1	5.0
## 334	2000250	226	304	1	2.7
## 335	2000635	129	435	3	5.7
## 336	2000821	157	327	3	6.4
## 337	2000990	59	164	5	5.3
## 338	2000029	84	488	0	9.1
## 339	2000044	316	308	4	2.3
## 340	2000502	293	364	4	7.2
## 341	2000104	108	375	3	5.4
## 342	2000785	229	252	1	3.2
## 343	2000783	3	469	4	9.9
## 344	2000634	97	54	2	5.2
## 345	2000557	70	395	0	6.4
## 346	2000264	203	201	3	7.4
## 347	2000407	132	473	5	4.3
## 348	2000172	293	288	3	5.9
## 349	2000654	103	308	1	7.3
## 350	2000039	178	183	1	0.9
## 351	2000323	306	277	5	6.4
## 352	2000989	137	283	4	5.1
## 353	2000575	272	32	1	7.4
## 354	2000285	274	498	3	6.4
## 355	2000913	128	252	2	1.9
## 356	2000135	310	225	0	5.7
## 357	2000184	128	375	3	9.4
## 358	2000006	221	202	0	7.5
## 359	2000831	73	423	4	2.6
## 360	2000092	33	112	3	4.7
## 361	2000841	212	429	5	5.2
## 362	2000776	125	97	5	1.8
## 363	2000873	93	140	4	6.6
## 364	2000181	298	75	1	8.8
## 365	2000381	254	331	4	3.0
## 366	2000794	19	106	1	7.5
## 367	2000656	266	43	5	8.8
## 368	2000141	338	368	3	0.3
## 369	2000354	163	62	1	3.7
## 370	2000309	118	125	5	0.4
## 371	2000588	60	147	2	7.1
## 372	2000811	43	356	2	2.9
## 373	2000290	175	493	1	8.8
## 374	2000089	225	114	4	4.1
## 375	2000772	55	329	3	0.3
## 376	2000306	112	3	5	5.4
## 377	2000834	50	173	2	8.5
## 378	2000200	33	498	1	1.1

## 379	2000538	215	309	2	5.4
## 380	2000852	126	74	3	9.8
## 381	2000835	180	408	5	6.4
## 382	2000322	292	495	4	6.2
## 383	2000484	20	26	5	3.6
## 384	2000187	280	364	2	3.7
## 385	2000492	130	154	5	8.8
## 386	2000267	22	36	0	8.5
## 387	2000657	31	353	0	3.5
## 388	2000254	23	312	2	1.8
## 389	2000992	209	426	3	3.6
## 390	2000915	273	14	2	9.1
## 391	2000255	152	376	4	2.3
## 392	2000225	214	201	0	1.0
## 393	2000930	35	48	2	8.3
## 394	2000128	347	142	1	5.4
## 395	2000341	65	174	5	10.0
## 396	2000982	163	478	2	2.0
## 397	2000792	165	365	4	2.1
## 398	2000907	220	353	0	0.4
## 399	2000344	322	177	3	6.3
## 400	2000790	308	276	5	8.9
## 401	2000130	83	111	0	8.6
## 402	2000687	162	406	1	4.1
## 403	2000371	348	448	4	4.2
## 404	2000048	326	297	0	0.3
## 405	2000038	72	141	1	7.6
## 406	2000904	149	328	3	3.9
## 407	2000328	210	467	3	9.4
## 408	2000389	100	266	1	4.9
## 409	2000901	52	40	0	9.7
## 410	2000307	272	401	1	6.2
## 411	2000245	134	428	3	4.3
## 412	2000577	248	428	2	1.5
## 413	2000627	17	165	0	1.9
## 414	2000740	129	138	1	6.7
## 415	2000551	188	480	4	9.9
## 416	2000955	256	401	4	7.9
## 417	2000336	72	83	3	8.6
## 418	2000668	339	407	1	4.7
## 419	2000313	46	242	0	1.5
## 420	2000085	286	213	2	7.1
## 421	2000074	47	113	2	7.0
## 422	2000987	332	485	4	3.0
## 423	2000530	227	21	2	3.6
## 424	2000978	33	68	0	3.2
## 425	2000752	112	18	2	5.5
## 426	2000644	73	82	5	2.0
## 427	2000149	317	428	5	7.0
## 428	2000534	141	109	3	4.0
## 429	2000466	178	377	4	2.4
## 430	2000077	277	143	0	1.8
## 431	2000966	342	307	3	9.7
## 432	2000712	63	436	3	6.9

## 433	2000335	141	445	0	8.4
## 434	2000160	61	140	0	3.0
## 435	2000480	294	149	0	6.1
## 436	2000920	207	69	3	4.7
## 437	2000368	215	310	3	1.5
## 438	2000325	155	353	4	1.1
## 439	2000586	305	2	5	4.1
## 440	2000465	289	120	0	6.7
## 441	2000284	342	55	1	1.3
## 442	2000052	200	215	5	8.3
## 443	2000017	42	416	4	6.0
## 444	2000975	89	121	5	6.7
## 445	2000420	158	42	1	6.3
## 446	2000310	132	357	2	9.9
## 447	2000757	124	197	2	9.4
## 448	2000315	29	444	1	3.3
## 449	2000933	170	233	4	2.3
## 450	2000069	47	486	5	6.1
## 451	2000684	197	494	4	6.6
## 452	2000768	6	325	2	5.8
## 453	2000159	197	294	0	2.2
## 454	2000042	89	205	3	2.6
## 455	2000818	90	104	0	4.9
## 456	2000880	13	365	1	7.3
## 457	2000845	175	145	0	6.4
## 458	2000045	207	33	0	6.0
## 459	2000970	35	455	0	4.5
## 460	2000803	103	185	0	5.1
## 461	2000746	23	135	4	4.0
## 462	2000116	293	120	5	8.0
## 463	2000237	333	406	0	4.8
## 464	2000798	87	73	5	2.2
## 465	2000726	33	169	5	4.9
## 466	2000097	265	343	3	9.3
## 467	2000569	133	401	4	5.7
## 468	2000421	178	443	3	5.4
## 469	2000018	175	406	5	8.7
## 470	2000311	109	199	2	3.6
## 471	2000478	4	172	2	8.5
## 472	2000983	298	404	1	8.0
## 473	2000364	261	95	4	8.9
## 474	2000366	289	209	3	8.4
## 475	2000697	173	70	3	1.0
## 476	2000580	198	270	0	5.9
## 477	2000005	151	333	3	1.9
## 478	2000732	116	266	3	5.1
## 479	2000969	234	59	3	7.9
## 480	2000771	28	318	4	5.8
## 481	2000623	30	274	0	2.7
## 482	2000291	232	235	5	6.1
## 483	2000728	22	340	5	7.0
## 484	2000387	14	249	0	3.8
## 485	2000692	217	448	2	7.1
## 486	2000188	67	90	0	6.0

## 487	2000234	155	197	5	2.3
## 488	2000463	320	301	2	4.5
## 489	2000714	206	424	2	6.0
## 490	2000603	122	119	5	4.4
## 491	2000532	69	32	0	8.4
## 492	2000268	338	468	2	9.1
## 493	2000806	316	191	0	4.1
## 494	2000672	180	404	1	6.1
## 495	2000276	127	191	2	5.8
## 496	2000105	271	331	0	6.4
## 497	2000756	253	114	1	5.5
## 498	2000202	282	178	5	9.7
## 499	2000238	150	106	4	6.2
## 500	2000332	253	291	0	3.1
## 501	2000432	105	201	0	5.1
## 502	2000505	226	394	2	1.1
## 503	2000693	345	359	2	7.1
## 504	2000848	270	500	0	1.9
## 505	2000174	162	466	1	1.7
## 506	2000548	14	406	3	7.6
## 507	2000596	29	407	0	8.1
## 508	2000993	41	99	4	2.7
## 509	2000491	237	342	2	1.9
## 510	2000833	176	418	0	9.4
## 511	2000362	193	187	0	0.0
## 512	2000562	240	151	2	6.2
## 513	2000151	348	143	1	2.0
## 514	2000825	195	384	4	9.2
## 515	2000652	280	88	2	2.9
## 516	2000774	350	357	4	5.6
## 517	2000671	38	46	0	2.7
## 518	2000576	220	84	1	8.2
## 519	2000965	172	95	1	1.0
## 520	2000984	101	320	5	2.4
## 521	2000571	214	386	1	1.4
## 522	2000597	317	90	4	3.8
## 523	2000320	239	207	0	3.0
## 524	2000036	135	48	1	9.0
## 525	2000882	98	66	4	0.0
## 526	2000120	155	404	1	7.3
## 527	2000474	291	257	3	2.2
## 528	2000147	334	186	3	3.1
## 529	2000395	70	183	3	5.4
## 530	2000024	120	198	0	9.1
## 531	2000870	46	111	0	6.5
## 532	2000121	178	129	0	6.1
## 533	2000611	312	15	0	1.5
## 534	2000977	315	319	5	7.4
## 535	2000191	222	331	2	8.6
## 536	2000458	89	421	4	5.5
## 537	2000468	70	98	5	7.4
## 538	2000753	282	441	4	5.2
## 539	2000592	317	2	4	7.0
## 540	2000047	217	424	5	3.0

## 541	2000068	127	498	2	5.0
## 542	2000142	91	259	5	4.2
## 543	2000547	112	258	2	1.5
## 544	2000386	328	495	4	4.2
## 545	2000163	178	343	3	3.3
## 546	2000793	213	92	5	9.8
## 547	2000175	102	187	1	8.3
## 548	2000865	181	59	0	6.1
## 549	2000664	273	365	1	8.1
## 550	2000951	207	364	5	0.1
## 551	2000853	251	221	3	5.8
## 552	2000446	331	112	0	1.5
## 553	2000731	182	411	5	7.4
## 554	2000704	28	396	5	3.3
## 555	2000271	263	290	0	8.2
## 556	2000721	267	401	5	6.5
## 557	2000738	284	292	5	8.3
## 558	2000114	95	378	0	8.6
## 559	2000868	119	427	1	2.0
## 560	2000591	89	88	1	4.7
## 561	2000890	242	235	2	9.6
## 562	2000280	303	241	3	3.8
## 563	2000678	218	186	3	2.3
## 564	2000221	72	191	5	0.2
## 565	2000996	128	458	0	9.6
## 566	2000215	119	255	4	5.0
## 567	2000535	174	342	1	1.6
## 568	2000944	61	382	4	1.0
## 569	2000348	125	469	2	9.0
## 570	2000994	97	267	1	4.8
## 571	2000305	276	20	3	8.9
## 572	2000448	328	202	1	9.8
## 573	2000988	239	281	3	6.4
## 574	2000578	163	326	5	4.1
## 575	2000192	9	161	1	5.1
## 576	2000054	200	164	1	8.0
## 577	2000110	24	340	0	3.9
## 578	2000155	94	234	0	3.3
## 579	2000118	247	315	3	2.5
## 580	2000442	188	8	4	6.8
## 581	2000605	114	238	2	0.9
## 582	2000359	90	283	0	4.8
## 583	2000741	81	289	0	9.2
## 584	2000190	292	229	5	4.4
## 585	2000153	148	306	0	9.5
## 586	2000961	202	399	2	10.0
## 587	2000027	259	52	3	3.2
## 588	2000887	318	52	3	1.0
## 589	2000100	311	108	4	5.9
## 590	2000288	179	329	3	8.6
## 591	2000766	99	28	0	7.4
## 592	2000631	161	482	0	0.1
## 593	2000769	144	166	0	0.8
## 594	2000169	170	152	3	8.1

## 595	2000510	264	432	5	1.4
## 596	2000167	14	263	5	6.2
## 597	2000546	146	117	1	5.7
## 598	2000103	188	438	0	2.9
## 599	2000554	197	174	0	0.5
## 600	2000609	236	172	2	3.5
## 601	2000312	64	40	1	8.1
## 602	2000533	336	233	3	2.0
## 603	2000286	229	76	5	6.4
## 604	2000824	120	372	1	1.7
## 605	2000055	326	39	0	9.9
## 606	2000564	346	282	0	2.0
## 607	2000023	10	473	5	1.6
## 608	2000667	233	227	3	4.9
## 609	2000585	128	96	1	0.0
## 610	2000911	306	136	0	3.9
## 611	2000183	2	378	4	4.8
## 612	2000331	335	200	1	2.9
## 613	2000968	69	22	1	8.9
## 614	2000846	48	224	2	0.6
## 615	2000558	312	249	0	2.6
## 616	2000683	170	270	2	8.8
## 617	2000504	135	160	0	5.8
## 618	2000256	238	197	4	8.0
## 619	2000621	171	44	5	4.4
## 620	2000204	26	355	4	2.3
## 621	2000679	40	244	5	9.4
## 622	2000727	319	69	5	7.7
## 623	2000222	307	311	3	2.2
## 624	2000403	136	456	3	6.2
## 625	2000379	263	102	3	1.4
## 626	2000270	37	117	3	7.9
## 627	2000689	228	488	4	2.3
## 628	2000549	45	257	5	7.0
## 629	2000782	278	32	0	5.4
## 630	2000864	256	475	4	2.9
## 631	2000358	32	116	4	1.9
## 632	2000566	239	237	0	3.7
## 633	2000877	7	111	1	3.3
## 634	2000406	198	390	3	9.5
## 635	2000058	107	350	2	4.6
## 636	2000648	331	138	4	5.9
## 637	2000218	291	440	1	6.7
## 638	2001000	116	427	4	5.0
## 639	2000185	18	205	0	5.6
## 640	2000244	208	422	0	5.9
## 641	2000950	269	161	5	1.2
## 642	2000762	19	477	0	4.1
## 643	2000228	210	162	1	9.0
## 644	2000842	253	93	5	6.7
## 645	2000197	206	461	3	5.5
## 646	2000002	68	231	4	7.6
## 647	2000394	273	222	1	7.9
## 648	2000503	341	330	3	2.3

## 649	2000009	5	209	2	8.8
## 650	2000032	111	257	2	7.4
## 651	2000193	300	29	5	2.8
## 652	2000810	157	288	3	6.4
## 653	2000749	189	65	1	4.7
## 654	2000717	303	414	4	4.8
## 655	2000742	139	421	3	0.8
## 656	2000476	327	453	1	5.3
## 657	2000171	281	260	1	5.6
## 658	2000734	8	443	4	6.9
## 659	2000079	304	317	5	6.2
## 660	2000997	217	227	5	7.6
## 661	2000849	35	112	2	7.8
## 662	2000417	70	460	4	6.7
## 663	2000324	45	184	0	0.2
## 664	2000162	180	308	2	0.7
## 665	2000593	281	19	3	3.7
## 666	2000087	49	166	2	1.0
## 667	2000150	145	348	0	6.8
## 668	2000542	244	211	5	3.9
## 669	2000014	265	39	2	4.0
## 670	2000561	166	404	4	4.3
## 671	2000527	241	183	0	1.4
## 672	2000124	81	489	0	5.7
## 673	2000010	31	306	1	3.6
## 674	2000744	234	298	3	8.3
## 675	2000198	219	259	0	6.8
## 676	2000570	309	214	5	3.4
## 677	2000080	298	64	0	3.0
## 678	2000851	217	265	0	7.0
## 679	2000260	271	333	1	5.5
## 680	2000220	112	271	0	0.2
## 681	2000521	198	468	2	6.0
## 682	2000454	134	110	4	0.2
## 683	2000974	32	400	0	5.4
## 684	2000107	148	156	2	7.2
## 685	2000186	168	287	2	0.3
## 686	2000601	336	259	1	1.9
## 687	2000453	321	314	0	7.8
## 688	2000827	17	294	4	9.1
## 689	2000516	289	479	0	4.0
## 690	2000615	126	118	1	8.4
## 691	2000979	290	181	5	0.9
## 692	2000958	344	54	2	6.2
## 693	2000686	47	225	5	4.5
## 694	2000231	162	409	2	2.4
## 695	2000196	94	480	3	3.7
## 696	2000233	208	207	3	3.0
## 697	2000262	323	490	1	4.2
## 698	2000001	211	25	4	4.1
## 699	2000885	19	226	4	5.1
## 700	2000330	1	452	4	4.2
## 701	2000743	330	84	5	0.0
## 702	2000962	339	181	2	8.9

## 703	2000675	39	190	3	5.3
## 704	2000180	251	80	3	3.1
## 705	2000479	139	68	3	3.1
## 706	2000650	90	291	4	4.9
## 707	2000745	54	355	3	9.4
## 708	2000343	228	426	1	3.4
## 709	2000041	285	403	4	5.3
## 710	2000413	318	500	1	6.4
## 711	2000773	167	228	3	8.6
## 712	2000119	309	91	5	6.4
## 713	2000947	285	62	1	9.1
## 714	2000035	206	272	0	9.9
## 715	2000115	152	437	2	0.5
## 716	2000922	134	121	3	1.8
## 717	2000573	194	84	1	5.9
## 718	2000422	159	347	4	0.0
## 719	2000469	87	185	5	3.8
## 720	2000891	139	163	4	4.6
## 721	2000165	10	379	0	10.0
## 722	2000755	111	360	3	0.4
## 723	2000279	195	174	2	6.9
## 724	2000134	333	307	5	4.9
## 725	2000875	294	139	0	5.7
## 726	2000779	317	165	3	3.7
## 727	2000436	329	451	5	0.3
## 728	2000363	45	140	5	7.1
## 729	2000412	115	245	2	9.3
## 730	2000326	329	434	3	3.1
## 731	2000136	112	229	4	9.4
## 732	2000559	347	37	3	8.3
## 733	2000434	306	96	0	1.5
## 734	2000690	148	96	3	4.9
## 735	2000582	294	431	3	7.2
## 736	2000805	10	351	5	0.5
## 737	2000894	151	227	2	4.7
## 738	2000179	100	367	1	6.0
## 739	2000673	342	461	5	6.7
## 740	2000565	117	34	0	2.5
## 741	2000146	154	20	4	7.0
## 742	2000658	187	29	1	4.7
## 743	2000804	229	40	2	6.5
## 744	2000102	189	324	5	4.4
## 745	2000263	7	498	2	4.2
## 746	2000217	107	419	4	5.0
## 747	2000862	297	163	3	0.2
## 748	2000166	254	301	2	7.4
## 749	2000061	28	352	0	2.2
## 750	2000416	285	271	4	5.6
## 751	2000722	25	448	3	8.3
## 752	2000452	30	300	2	1.2
## 753	2000960	175	46	5	8.4
## 754	2000857	31	226	3	2.1
## 755	2000106	309	203	5	0.1
## 756	2000912	261	106	4	9.5

## 757	2000433	266	380	0	3.7
## 758	2000034	25	181	5	7.8
## 759	2000176	166	429	2	0.9
## 760	2000355	8	113	1	4.4
## 761	2000471	36	431	1	1.6
## 762	2000431	155	410	1	1.8
## 763	2000258	348	467	3	8.9
## 764	2000098	203	481	1	9.6
## 765	2000470	144	2	3	2.8
## 766	2000213	342	326	4	6.8
## 767	2000056	218	216	3	7.2
## 768	2000398	54	436	0	5.6
## 769	2000691	329	357	0	6.7
## 770	2000778	21	47	4	7.5
## 771	2000122	48	465	4	7.0
## 772	2000813	296	170	0	3.3
## 773	2000449	221	212	4	2.8
## 774	2000261	121	333	5	6.3
## 775	2000062	337	35	3	4.2
## 776	2000895	347	187	5	0.7
## 777	2000428	256	397	4	8.2
## 778	2000838	269	197	3	7.5
## 779	2000161	130	448	5	6.4
## 780	2000093	133	255	4	5.1
## 781	2000111	26	170	1	4.4
## 782	2000730	305	31	0	3.1
## 783	2000243	235	484	2	1.8
## 784	2000610	123	245	5	5.2
## 785	2000706	210	153	2	1.5
## 786	2000651	96	217	0	2.5
## 787	2000203	267	51	2	2.6
## 788	2000579	251	431	1	7.6
## 789	2000867	5	234	5	2.4
## 790	2000893	145	141	1	7.0
## 791	2000365	150	34	2	4.4
## 792	2000246	42	108	4	2.8
## 793	2000020	9	23	0	3.4
## 794	2000351	294	334	0	6.1
## 795	2000383	170	137	3	0.1
## 796	2000352	145	353	1	3.4
## 797	2000447	158	6	2	6.5
## 798	2000482	27	65	4	1.9
## 799	2000723	331	200	1	5.9
## 800	2000802	310	213	0	1.5
## 801	2000030	176	224	1	0.9
## 802	2000206	106	254	0	1.5
## 803	2000976	45	492	2	4.3
## 804	2000934	342	145	0	4.5
## 805	2000519	60	404	5	0.4
## 806	2000301	109	241	5	6.5
## 807	2000917	170	93	5	8.1
## 808	2000669	279	84	1	7.0
## 809	2000567	33	41	0	5.1
## 810	2000084	193	43	0	2.1

## 811	2000450	10	206	4	9.8
## 812	2000632	140	347	5	7.6
## 813	2000281	144	395	5	6.2
## 814	2000409	122	31	5	2.2
## 815	2000064	205	248	3	5.8
## 816	2000954	218	108	0	8.8
## 817	2000522	297	26	4	2.2
## 818	2000247	141	26	4	9.8
## 819	2000897	142	350	1	4.3
## 820	2000820	67	200	0	6.4
## 821	2000952	25	117	5	3.1
## 822	2000026	83	188	4	4.6
## 823	2000886	25	327	0	3.4
## 824	2000347	245	102	0	3.3
## 825	2000400	167	395	3	0.2
## 826	2000334	216	69	5	2.5
## 827	2000043	115	211	4	9.9
## 828	2000287	21	204	3	2.5
## 829	2000375	335	292	3	2.5
## 830	2000552	173	178	0	1.3
## 831	2000329	323	442	4	2.7
## 832	2000892	266	322	4	3.8
## 833	2000408	152	391	2	8.2
## 834	2000418	59	404	1	9.7
## 835	2000209	225	449	1	4.8
## 836	2000606	306	457	4	5.9
## 837	2000646	112	420	0	8.1
## 838	2000249	65	340	1	7.3
## 839	2000733	211	19	3	7.1
## 840	2000086	107	5	2	7.0
## 841	2000599	160	485	0	6.5
## 842	2000872	340	350	3	9.4
## 843	2000139	140	94	0	5.3
## 844	2000707	350	230	0	1.8
## 845	2000770	294	140	5	2.8
## 846	2000053	205	64	5	0.7
## 847	2000472	14	250	5	7.5
## 848	2000424	343	303	0	5.0
## 849	2000884	88	107	0	8.6
## 850	2000524	216	369	2	0.8
## 851	2000390	145	53	1	1.2
## 852	2000143	44	71	1	6.1
## 853	2000117	180	460	3	7.2
## 854	2000224	255	195	4	8.7
## 855	2000317	85	154	5	4.9
## 856	2000801	225	207	0	2.2
## 857	2000189	350	56	2	5.8
## 858	2000925	298	157	4	1.1
## 859	2000759	38	423	5	1.3
## 860	2000545	54	103	0	7.6
## 861	2000927	18	136	5	7.5
## 862	2000688	238	106	3	7.8
## 863	2000640	22	155	2	5.7
## 864	2000509	5	476	2	7.4

## 865	2000767	84	496	5	1.8
## 866	2000881	2	187	0	7.5
## 867	2000995	93	389	4	1.1
## 868	2000539	131	95	0	4.3
## 869	2000633	244	19	2	5.3
## 870	2000850	146	316	3	0.9
## 871	2000236	284	398	1	2.7
## 872	2000866	206	73	3	0.1
## 873	2000494	327	339	1	2.6
## 874	2000021	273	273	4	1.5
## 875	2000629	296	258	1	8.6
## 876	2000840	300	168	2	3.8
## 877	2000437	303	408	3	4.1
## 878	2000626	64	301	5	0.7
## 879	2000337	299	96	3	4.9
## 880	2000986	232	296	3	0.1
## 881	2000277	39	275	4	5.4
## 882	2000382	184	76	3	0.5
## 883	2000616	245	123	1	0.2
## 884	2000929	155	143	3	5.6
## 885	2000763	115	153	4	6.6
## 886	2000257	320	183	0	4.8
## 887	2000388	28	200	2	5.8
## 888	2000595	304	21	0	3.8
## 889	2000938	221	329	0	8.3
## 890	2000013	90	279	4	8.8
## 891	2000425	130	236	0	1.7
## 892	2000788	108	309	4	10.0
## 893	2000008	160	154	2	3.8
## 894	2000694	38	174	5	4.9
## 895	2000278	37	44	0	4.0
## 896	2000748	81	278	2	1.9
## 897	2000981	22	226	1	1.2
## 898	2000075	146	63	0	9.9
## 899	2000273	331	437	0	9.0
## 900	2000660	60	32	1	6.7
## 901	2000498	305	340	5	5.7
## 902	2000214	143	484	5	3.7
## 903	2000321	86	443	1	4.7
## 904	2000485	74	300	0	0.3
## 905	2000607	208	117	5	3.3
## 906	2000939	107	65	4	7.6
## 907	2000475	274	472	3	4.3
## 908	2000630	144	314	0	4.9
## 909	2000754	240	474	0	9.3
## 910	2000487	187	235	4	7.6
## 911	2000506	114	136	2	1.5
## 912	2000529	59	12	4	4.9
## 913	2000137	81	496	4	2.9
## 914	2000308	133	133	4	6.9
## 915	2000129	189	167	5	3.7
## 916	2000456	299	192	0	1.4
## 917	2000462	96	89	5	1.5
## 918	2000076	158	90	2	8.6

## 919	2000445	171	149	0	2.1
## 920	2000295	236	373	1	0.9
## 921	2000953	241	297	5	8.3
## 922	2000090	314	397	0	0.4
## 923	2000050	53	294	5	3.5
## 924	2000490	66	335	1	0.8
## 925	2000441	166	207	5	6.6
## 926	2000677	73	85	1	6.9
## 927	2000078	282	300	2	3.4
## 928	2000528	121	423	5	3.2
## 929	2000091	324	146	0	5.4
## 930	2000543	226	413	0	7.4
## 931	2000963	213	197	4	1.7
## 932	2000333	218	257	2	0.4
## 933	2000568	117	406	0	8.4
## 934	2000253	323	456	0	0.5
## 935	2000614	231	296	5	8.1
## 936	2000070	84	293	2	0.3
## 937	2000339	324	395	0	5.5
## 938	2000518	330	120	0	9.1
## 939	2000065	161	202	0	6.8
## 940	2000211	172	367	5	8.4
## 941	2000177	150	40	5	9.2
## 942	2000735	249	261	2	0.2
## 943	2000906	305	309	0	2.4
## 944	2000639	141	51	3	0.2
## 945	2000914	232	49	4	5.2
## 946	2000653	128	335	5	9.7
## 947	2000858	292	370	1	1.7
## 948	2000563	318	357	5	1.9
## 949	2000555	327	442	2	6.2
## 950	2000101	281	146	0	8.5
## 951	2000791	212	78	1	3.4
## 952	2000168	67	91	1	4.6
## 953	2000676	304	387	4	0.9
## 954	2000758	156	148	3	1.4
## 955	2000239	290	303	1	9.9
## 956	2000459	258	495	3	4.8
## 957	2000248	264	280	0	2.8
## 958	2000235	98	315	5	4.0
## 959	2000073	60	430	2	9.6
## 960	2000943	137	60	5	9.9
## 961	2000574	147	428	5	4.3
## 962	2000300	249	485	5	9.9
## 963	2000316	278	267	1	3.5
## 964	2000397	46	125	2	0.0
## 965	2000525	286	38	5	0.4
## 966	2000598	56	284	3	8.1
## 967	2000156	284	53	4	7.1
## 968	2000314	194	22	0	4.7
## 969	2000378	216	435	1	0.9
## 970	2000550	167	184	4	9.9
## 971	2000360	306	79	1	9.2
## 972	2000928	274	284	0	1.1

## 973	2000299	141	386	2	5.1
## 974	2000208	323	332	4	3.6
## 975	2000797	54	31	3	9.6
## 976	2000736	133	414	5	4.1
## 977	2000252	206	394	3	2.7
## 978	2000066	289	455	5	9.6
## 979	2000964	295	143	2	8.5
## 980	2000414	226	178	2	5.6
## 981	2000501	283	464	1	7.5
## 982	2000764	7	231	2	6.5
## 983	2000158	36	416	3	5.4
## 984	2000844	131	289	5	6.5
## 985	2000219	209	307	3	9.0
## 986	2000016	236	403	1	8.2
## 987	2000440	158	279	1	2.9
## 988	2000645	305	477	3	9.6
## 989	2000641	210	32	0	2.4
## 990	2000540	301	47	4	7.3
## 991	2000125	23	143	0	5.3
## 992	2000909	223	282	5	9.3
## 993	2000318	308	68	5	9.6
## 994	2000711	248	269	2	8.4
## 995	2000464	95	469	0	9.8
## 996	2000154	2	19	0	7.3
## 997	2000377	163	497	4	1.4
## 998	2000304	167	210	3	7.2
## 999	2000380	208	430	4	3.4
## 1000	2000637	260	490	1	9.0
##	Research.Interest	Maths.Score	English.Score	CS.Score	TOEFL.Score2
## 1	0	134	330	344	78.4
## 2	1	23	5	301	328.3
## 3	1	48	318	128	57.4
## 4	1	71	327	266	151.2
## 5	0	104	19	245	65.1
## 6	1	281	247	306	336.7
## 7	0	58	333	105	55.3
## 8	1	271	247	49	158.9
## 9	1	192	241	197	25.2
## 10	0	7	189	34	173.6
## 11	0	40	309	341	109.2
## 12	1	107	11	242	280.7
## 13	0	23	172	122	301.7
## 14	0	185	146	245	40.6
## 15	0	106	333	18	91.0
## 16	1	183	278	242	158.2
## 17	0	225	28	265	13.3
## 18	1	152	92	19	71.4
## 19	0	111	68	170	349.3
## 20	1	239	348	104	65.1
## 21	1	188	170	315	153.3
## 22	0	156	2	51	308.7
## 23	1	4	234	20	121.1
## 24	0	258	82	201	173.6
## 25	0	93	176	85	74.2

## 26	0	3	225	32	345.1
## 27	0	28	38	241	266.7
## 28	0	131	64	188	85.4
## 29	0	295	242	103	109.2
## 30	0	130	102	333	58.1
## 31	0	301	153	65	306.6
## 32	0	318	212	250	256.2
## 33	0	112	310	87	64.4
## 34	1	136	255	343	259.7
## 35	1	273	309	324	240.1
## 36	0	47	199	105	263.9
## 37	0	248	154	212	165.9
## 38	0	205	242	54	177.1
## 39	0	11	66	273	196.0
## 40	1	264	32	151	277.9
## 41	0	1	9	73	56.0
## 42	0	125	148	326	270.9
## 43	0	18	236	96	249.9
## 44	0	203	7	229	97.3
## 45	0	262	63	279	212.1
## 46	1	274	61	331	6.3
## 47	1	295	92	263	304.5
## 48	1	295	184	278	210.7
## 49	1	299	184	147	133.7
## 50	0	317	9	133	14.7
## 51	0	306	140	248	160.3
## 52	1	315	281	153	95.2
## 53	1	95	93	107	132.3
## 54	1	202	217	131	217.7
## 55	0	274	230	113	317.1
## 56	0	81	136	228	69.3
## 57	0	273	271	164	58.1
## 58	1	87	52	166	28.0
## 59	1	247	274	325	165.9
## 60	1	196	158	289	139.3
## 61	1	348	261	88	25.9
## 62	0	241	15	22	158.9
## 63	0	248	282	98	309.4
## 64	1	274	16	332	312.2
## 65	1	58	86	215	236.6
## 66	0	169	333	173	166.6
## 67	0	111	244	327	269.5
## 68	0	211	220	188	38.5
## 69	0	315	249	139	30.8
## 70	1	330	189	276	266.0
## 71	1	267	339	237	103.6
## 72	1	32	147	336	327.6
## 73	1	149	11	246	165.9
## 74	0	326	119	0	93.1
## 75	0	182	38	71	63.7
## 76	1	344	55	56	205.1
## 77	0	238	45	190	28.0
## 78	0	296	262	237	151.9
## 79	0	207	104	214	241.5

## 80	0	197	295	109	211.4
## 81	1	195	56	343	90.3
## 82	0	172	160	21	186.9
## 83	1	295	251	67	172.2
## 84	1	70	89	60	214.9
## 85	1	39	349	11	74.2
## 86	1	189	101	91	35.0
## 87	1	334	235	288	138.6
## 88	0	339	175	164	24.5
## 89	0	347	46	242	280.7
## 90	0	200	237	340	239.4
## 91	1	193	333	41	315.7
## 92	1	187	176	41	170.1
## 93	0	224	263	48	86.1
## 94	0	341	7	241	172.2
## 95	1	215	10	45	308.7
## 96	0	50	235	321	326.2
## 97	0	27	240	216	13.3
## 98	0	228	97	295	170.1
## 99	1	200	15	20	186.2
## 100	1	337	155	179	14.0
## 101	1	123	41	242	262.5
## 102	1	195	314	321	119.7
## 103	0	115	198	251	73.5
## 104	0	163	311	88	221.2
## 105	1	341	173	186	36.4
## 106	0	59	9	64	294.7
## 107	1	99	284	336	14.7
## 108	0	125	216	190	141.4
## 109	0	123	43	131	60.2
## 110	1	238	216	151	23.1
## 111	0	80	232	139	266.7
## 112	0	125	346	86	279.3
## 113	0	293	38	175	169.4
## 114	0	286	247	334	132.3
## 115	0	2	331	77	322.7
## 116	1	122	126	214	72.8
## 117	0	24	42	272	233.8
## 118	1	108	250	13	46.2
## 119	0	248	287	3	305.9
## 120	0	172	282	104	175.7
## 121	0	66	326	125	261.8
## 122	1	27	276	23	273.7
## 123	0	226	345	136	61.6
## 124	0	338	76	54	240.8
## 125	1	182	215	229	335.3
## 126	0	10	288	245	227.5
## 127	0	346	8	307	74.2
## 128	1	291	70	137	319.2
## 129	0	211	149	66	149.1
## 130	0	206	169	224	38.5
## 131	1	247	97	213	191.8
## 132	1	302	93	276	295.4
## 133	0	211	238	98	106.4

## 134	1	327	60	26	51.8
## 135	0	59	273	322	314.3
## 136	1	45	177	59	228.9
## 137	1	229	169	232	303.8
## 138	0	316	321	219	67.9
## 139	0	303	51	99	342.3
## 140	1	250	329	96	161.0
## 141	0	209	215	282	196.0
## 142	1	89	319	161	232.4
## 143	1	2	307	84	184.8
## 144	0	18	12	299	305.9
## 145	1	24	296	83	195.3
## 146	0	181	45	121	103.6
## 147	0	207	181	220	93.8
## 148	0	36	142	257	174.3
## 149	1	321	45	279	107.8
## 150	0	296	336	141	75.6
## 151	0	31	3	302	92.4
## 152	0	240	317	261	279.3
## 153	1	143	59	177	79.8
## 154	1	167	57	188	160.3
## 155	0	345	266	218	298.2
## 156	0	234	162	151	345.8
## 157	0	222	13	277	115.5
## 158	0	95	77	1	307.3
## 159	0	301	100	246	282.8
## 160	0	123	41	322	304.5
## 161	1	316	91	176	116.9
## 162	1	200	297	158	228.2
## 163	1	87	83	62	203.0
## 164	0	206	316	149	62.3
## 165	1	71	143	8	16.1
## 166	0	349	193	87	69.3
## 167	0	62	160	338	233.1
## 168	0	148	45	30	282.1
## 169	1	36	305	264	151.2
## 170	0	161	313	14	121.8
## 171	1	157	19	293	229.6
## 172	1	132	108	87	132.3
## 173	1	100	333	272	98.0
## 174	1	186	294	66	343.7
## 175	0	282	14	76	273.7
## 176	0	146	40	69	193.9
## 177	0	125	7	303	166.6
## 178	0	222	235	326	279.3
## 179	0	297	89	163	235.9
## 180	0	204	101	307	335.3
## 181	0	339	112	251	172.9
## 182	1	350	107	53	281.4
## 183	1	304	224	200	260.4
## 184	0	150	213	287	269.5
## 185	0	91	75	307	0.7
## 186	0	59	57	182	50.4
## 187	1	14	205	276	39.9

## 188	0	211	234	282	133.7
## 189	1	144	9	31	166.6
## 190	1	206	280	251	150.5
## 191	1	264	50	224	77.0
## 192	1	125	298	201	282.8
## 193	0	142	10	111	240.8
## 194	0	126	91	96	15.4
## 195	0	56	7	139	303.8
## 196	1	109	296	74	47.6
## 197	1	282	151	330	42.7
## 198	0	265	214	105	8.4
## 199	1	151	202	42	287.0
## 200	1	13	278	61	64.4
## 201	1	89	108	124	202.3
## 202	1	259	347	146	115.5
## 203	0	82	26	113	343.0
## 204	0	81	92	328	321.3
## 205	0	194	350	2	170.1
## 206	1	137	189	172	238.7
## 207	1	77	56	308	29.4
## 208	0	98	18	73	271.6
## 209	0	70	121	25	29.4
## 210	0	226	136	153	34.3
## 211	0	258	109	35	303.8
## 212	1	258	64	311	169.4
## 213	0	308	101	13	247.8
## 214	0	11	287	200	261.8
## 215	0	59	251	47	310.8
## 216	1	76	260	141	32.2
## 217	1	231	80	173	225.4
## 218	1	18	177	176	151.9
## 219	1	177	169	275	309.4
## 220	1	30	10	110	207.2
## 221	0	66	23	296	331.1
## 222	1	94	279	140	301.7
## 223	0	282	153	327	14.7
## 224	0	129	253	265	126.0
## 225	0	30	159	39	170.1
## 226	1	169	92	164	225.4
## 227	0	87	242	137	176.4
## 228	0	2	95	82	311.5
## 229	1	288	307	241	62.3
## 230	0	207	189	212	130.9
## 231	1	292	99	112	254.8
## 232	0	10	185	20	45.5
## 233	0	68	159	67	235.9
## 234	0	248	16	17	133.7
## 235	1	348	73	81	92.4
## 236	0	240	273	108	106.4
## 237	0	105	126	142	285.6
## 238	0	50	52	306	340.9
## 239	0	107	35	139	285.6
## 240	1	344	253	148	98.0
## 241	0	130	49	68	60.9

## 242	1	305	235	309	123.2
## 243	1	111	35	1	326.9
## 244	1	0	162	119	260.4
## 245	0	77	116	54	278.6
## 246	0	268	109	214	316.4
## 247	1	168	10	120	234.5
## 248	0	294	139	41	54.6
## 249	0	132	22	196	345.1
## 250	1	153	298	232	322.0
## 251	1	6	134	324	150.5
## 252	1	288	109	293	317.8
## 253	0	74	231	204	191.1
## 254	0	27	299	103	9.8
## 255	0	239	334	144	2.8
## 256	0	139	339	32	73.5
## 257	1	326	191	184	88.2
## 258	1	221	313	134	16.8
## 259	1	147	153	119	95.9
## 260	1	285	117	72	38.5
## 261	1	302	91	168	161.0
## 262	1	275	34	342	172.2
## 263	1	112	111	198	215.6
## 264	1	198	47	171	96.6
## 265	0	76	35	94	46.9
## 266	0	295	163	208	252.7
## 267	1	296	173	69	157.5
## 268	1	43	204	269	149.8
## 269	1	209	336	332	193.9
## 270	1	221	327	265	296.1
## 271	1	87	105	58	69.3
## 272	0	21	18	317	18.9
## 273	1	249	308	273	226.1
## 274	1	122	293	234	312.9
## 275	1	45	345	339	259.0
## 276	1	271	161	248	42.0
## 277	1	28	225	89	163.1
## 278	0	43	128	196	248.5
## 279	1	312	156	300	154.0
## 280	1	103	58	118	338.8
## 281	1	209	83	31	70.0
## 282	1	100	315	190	250.6
## 283	0	121	292	190	67.9
## 284	1	44	107	330	198.1
## 285	1	263	228	113	113.4
## 286	0	171	2	177	276.5
## 287	0	284	96	105	59.5
## 288	1	38	69	290	210.0
## 289	0	322	202	200	58.8
## 290	0	312	131	98	85.4
## 291	0	62	292	341	154.7
## 292	0	284	102	186	180.6
## 293	0	169	177	150	196.0
## 294	0	134	305	142	99.4
## 295	0	248	136	87	212.1

## 296	0	183	271	45	283.5
## 297	1	5	273	83	183.4
## 298	0	291	127	94	124.6
## 299	1	304	309	319	132.3
## 300	1	91	127	89	259.7
## 301	1	157	220	206	283.5
## 302	1	315	72	47	153.3
## 303	0	222	32	65	106.4
## 304	1	252	211	256	323.4
## 305	1	180	124	185	194.6
## 306	1	256	92	182	303.8
## 307	0	206	297	197	1.4
## 308	1	189	253	110	172.9
## 309	1	290	18	128	253.4
## 310	0	270	265	14	226.1
## 311	1	44	337	318	123.9
## 312	1	336	162	330	344.4
## 313	1	140	117	97	111.3
## 314	1	308	59	1	44.1
## 315	0	75	42	258	105.0
## 316	0	223	174	257	273.7
## 317	1	289	224	342	6.3
## 318	1	88	54	91	61.6
## 319	1	305	111	186	237.3
## 320	1	268	49	58	21.7
## 321	0	199	32	220	185.5
## 322	0	25	214	111	273.0
## 323	0	293	125	289	10.5
## 324	1	235	179	291	205.8
## 325	1	321	291	87	275.8
## 326	1	186	19	234	61.6
## 327	1	258	279	240	324.1
## 328	1	266	129	185	261.1
## 329	0	44	21	190	191.1
## 330	0	253	30	254	46.9
## 331	1	281	22	341	53.9
## 332	1	114	208	266	348.6
## 333	1	36	272	19	49.0
## 334	0	254	151	201	212.8
## 335	1	224	213	280	304.5
## 336	0	261	34	325	228.9
## 337	1	95	346	160	114.8
## 338	0	140	64	163	341.6
## 339	0	127	162	339	215.6
## 340	1	340	164	233	254.8
## 341	0	118	219	314	262.5
## 342	1	111	321	7	176.4
## 343	0	349	307	237	328.3
## 344	1	160	82	282	37.8
## 345	0	138	161	288	276.5
## 346	1	221	347	228	140.7
## 347	1	209	325	305	331.1
## 348	0	300	71	51	201.6
## 349	0	343	148	51	215.6

## 350	0	129	209	107	128.1
## 351	0	288	99	328	193.9
## 352	1	47	51	27	198.1
## 353	0	37	271	165	22.4
## 354	1	174	133	151	348.6
## 355	1	327	247	262	176.4
## 356	1	239	16	116	157.5
## 357	1	98	128	173	262.5
## 358	1	344	187	171	141.4
## 359	0	306	255	39	296.1
## 360	0	90	71	232	78.4
## 361	0	307	338	75	300.3
## 362	0	325	45	38	67.9
## 363	0	244	285	281	98.0
## 364	0	64	46	226	52.5
## 365	1	243	331	95	231.7
## 366	0	146	226	135	74.2
## 367	1	193	32	199	30.1
## 368	0	88	111	21	257.6
## 369	0	130	72	223	43.4
## 370	1	220	316	248	87.5
## 371	1	38	140	269	102.9
## 372	0	318	177	159	249.2
## 373	0	213	276	196	345.1
## 374	1	335	341	43	79.8
## 375	1	21	62	243	230.3
## 376	1	312	140	68	2.1
## 377	0	84	60	310	121.1
## 378	1	73	293	101	348.6
## 379	0	144	206	116	216.3
## 380	0	7	214	256	51.8
## 381	1	17	154	31	285.6
## 382	0	25	304	115	346.5
## 383	1	230	288	236	18.2
## 384	0	183	341	110	254.8
## 385	1	148	199	349	107.8
## 386	1	21	41	137	25.2
## 387	0	76	88	204	247.1
## 388	0	164	157	160	218.4
## 389	0	292	131	161	298.2
## 390	0	334	123	92	9.8
## 391	0	159	28	230	263.2
## 392	1	84	169	221	140.7
## 393	0	316	46	329	33.6
## 394	1	319	196	208	99.4
## 395	1	324	5	256	121.8
## 396	0	38	196	28	334.6
## 397	1	283	88	287	255.5
## 398	1	51	89	64	247.1
## 399	0	149	12	259	123.9
## 400	0	16	174	316	193.2
## 401	0	45	206	226	77.7
## 402	0	292	34	111	284.2
## 403	0	93	350	183	313.6

## 404	0	309	102	307	207.9
## 405	1	211	22	18	98.7
## 406	0	303	292	165	229.6
## 407	0	314	332	347	326.9
## 408	0	68	86	210	186.2
## 409	1	27	32	38	28.0
## 410	1	275	264	182	280.7
## 411	1	81	132	305	299.6
## 412	1	158	177	297	299.6
## 413	1	41	174	258	115.5
## 414	0	250	108	213	96.6
## 415	0	152	3	63	336.0
## 416	0	215	297	264	280.7
## 417	0	44	260	332	58.1
## 418	0	125	288	270	284.9
## 419	0	120	172	109	169.4
## 420	0	316	197	155	149.1
## 421	0	345	150	286	79.1
## 422	1	13	115	258	339.5
## 423	0	115	233	313	14.7
## 424	1	236	27	293	47.6
## 425	1	26	29	117	12.6
## 426	1	177	231	180	57.4
## 427	0	96	21	53	299.6
## 428	1	292	13	224	76.3
## 429	1	26	216	206	263.9
## 430	1	309	66	24	100.1
## 431	0	96	154	225	214.9
## 432	1	50	319	83	305.2
## 433	0	76	205	180	311.5
## 434	0	17	121	189	98.0
## 435	1	310	68	79	104.3
## 436	0	178	337	67	48.3
## 437	0	177	315	290	217.0
## 438	1	0	179	227	247.1
## 439	1	73	126	90	1.4
## 440	0	4	270	61	84.0
## 441	0	11	252	271	38.5
## 442	1	61	281	120	150.5
## 443	1	167	149	83	291.2
## 444	0	156	252	346	84.7
## 445	1	339	104	184	29.4
## 446	1	199	225	162	249.9
## 447	1	291	344	173	137.9
## 448	1	168	269	306	310.8
## 449	0	290	161	138	163.1
## 450	1	176	13	164	340.2
## 451	1	214	28	139	345.8
## 452	0	231	40	244	227.5
## 453	1	46	236	228	205.8
## 454	1	105	175	36	143.5
## 455	1	206	192	95	72.8
## 456	0	187	239	95	255.5
## 457	0	233	347	350	101.5

## 458	1	301	194	226	23.1
## 459	0	46	279	33	318.5
## 460	0	209	349	19	129.5
## 461	0	17	37	28	94.5
## 462	0	267	219	39	84.0
## 463	0	143	171	323	284.2
## 464	1	296	100	162	51.1
## 465	1	275	213	300	118.3
## 466	1	104	316	270	240.1
## 467	0	201	238	299	280.7
## 468	0	237	134	45	310.1
## 469	1	331	97	225	284.2
## 470	1	104	154	202	139.3
## 471	0	132	290	105	120.4
## 472	0	187	333	180	282.8
## 473	1	173	69	112	66.5
## 474	1	158	119	1	146.3
## 475	0	37	45	325	49.0
## 476	0	186	177	215	189.0
## 477	0	10	311	46	233.1
## 478	1	68	314	169	186.2
## 479	1	150	221	211	41.3
## 480	1	236	88	332	222.6
## 481	1	93	69	34	191.8
## 482	1	76	281	186	164.5
## 483	0	47	316	196	238.0
## 484	0	319	216	254	174.3
## 485	1	35	126	169	313.6
## 486	0	35	90	30	63.0
## 487	0	119	111	244	137.9
## 488	1	146	327	152	210.7
## 489	0	23	177	216	296.8
## 490	1	348	212	50	83.3
## 491	1	120	101	233	22.4
## 492	1	36	180	140	327.6
## 493	0	244	272	33	133.7
## 494	0	190	206	107	282.8
## 495	1	36	250	22	133.7
## 496	1	56	330	333	231.7
## 497	1	344	181	136	79.8
## 498	1	46	27	5	124.6
## 499	0	67	262	64	74.2
## 500	1	141	266	199	203.7
## 501	0	41	283	212	140.7
## 502	0	162	94	223	275.8
## 503	1	335	118	253	251.3
## 504	0	174	88	144	350.0
## 505	1	271	241	240	326.2
## 506	0	125	302	92	284.2
## 507	0	190	217	83	284.9
## 508	1	50	71	40	69.3
## 509	0	270	127	42	239.4
## 510	1	282	118	205	292.6
## 511	1	137	173	346	130.9

## 512	1	113	60	30	105.7
## 513	1	289	124	247	100.1
## 514	0	306	96	107	268.8
## 515	0	107	275	25	61.6
## 516	1	279	327	25	249.9
## 517	0	147	238	349	32.2
## 518	1	220	162	199	58.8
## 519	1	314	8	116	66.5
## 520	1	214	199	187	224.0
## 521	1	96	23	326	270.2
## 522	1	233	93	101	63.0
## 523	0	347	246	68	144.9
## 524	0	71	187	210	33.6
## 525	1	304	113	203	46.2
## 526	0	190	89	291	282.8
## 527	1	319	80	177	179.9
## 528	1	191	291	321	130.2
## 529	1	53	147	339	128.1
## 530	1	109	201	18	138.6
## 531	1	154	258	4	77.7
## 532	0	117	317	349	90.3
## 533	1	289	310	93	10.5
## 534	0	111	178	229	223.3
## 535	0	194	98	139	231.7
## 536	1	189	160	63	294.7
## 537	0	152	143	249	68.6
## 538	0	345	169	302	308.7
## 539	0	26	263	106	1.4
## 540	1	46	13	52	296.8
## 541	1	99	145	70	348.6
## 542	0	287	187	194	181.3
## 543	0	14	196	153	180.6
## 544	0	308	235	206	346.5
## 545	1	349	63	55	240.1
## 546	1	168	335	156	64.4
## 547	1	17	228	102	130.9
## 548	1	166	119	135	41.3
## 549	1	250	325	105	255.5
## 550	0	102	345	154	254.8
## 551	1	224	9	186	154.7
## 552	0	311	232	94	78.4
## 553	0	289	127	18	287.7
## 554	0	285	305	315	277.2
## 555	1	302	1	72	203.0
## 556	0	54	334	338	280.7
## 557	1	22	68	272	204.4
## 558	0	249	47	257	264.6
## 559	0	318	311	167	298.9
## 560	1	268	169	300	61.6
## 561	1	182	134	95	164.5
## 562	0	330	237	295	168.7
## 563	0	122	170	274	130.2
## 564	0	16	25	75	133.7
## 565	0	239	39	122	320.6

## 566	1	304	318	142	178.5
## 567	1	255	306	152	239.4
## 568	1	293	135	182	267.4
## 569	1	203	262	199	328.3
## 570	0	326	36	20	186.9
## 571	0	18	227	328	14.0
## 572	0	221	44	278	141.4
## 573	0	102	277	235	196.7
## 574	0	18	255	308	228.2
## 575	0	269	31	153	112.7
## 576	0	173	238	173	114.8
## 577	0	187	6	43	238.0
## 578	1	335	197	277	163.8
## 579	0	76	106	225	220.5
## 580	1	147	330	62	5.6
## 581	0	17	290	31	166.6
## 582	1	57	115	339	198.1
## 583	1	183	17	299	202.3
## 584	1	217	207	116	160.3
## 585	0	284	268	64	214.2
## 586	1	184	18	313	279.3
## 587	0	243	209	234	36.4
## 588	1	273	252	135	36.4
## 589	1	144	205	11	75.6
## 590	0	227	67	132	230.3
## 591	0	108	272	166	19.6
## 592	1	196	340	191	337.4
## 593	1	1	4	88	116.2
## 594	1	22	110	89	106.4
## 595	1	201	299	148	302.4
## 596	1	8	156	296	184.1
## 597	1	31	188	293	81.9
## 598	1	192	302	334	306.6
## 599	0	150	138	206	121.8
## 600	0	239	326	84	120.4
## 601	0	227	280	299	28.0
## 602	0	81	7	145	163.1
## 603	0	35	303	196	53.2
## 604	1	170	216	256	260.4
## 605	0	226	34	295	27.3
## 606	0	78	69	292	197.4
## 607	0	137	44	119	331.1
## 608	1	95	179	201	158.9
## 609	0	189	280	39	67.2
## 610	0	323	48	260	95.2
## 611	1	161	144	308	264.6
## 612	0	330	243	50	140.0
## 613	1	86	264	48	15.4
## 614	1	149	165	334	156.8
## 615	0	243	240	145	174.3
## 616	1	13	80	77	189.0
## 617	0	41	30	90	112.0
## 618	1	57	233	147	137.9
## 619	1	123	218	302	30.8

## 620	0	9	308	279	248.5
## 621	0	170	297	314	170.8
## 622	1	197	216	59	48.3
## 623	1	236	270	266	217.7
## 624	1	79	111	124	319.2
## 625	0	158	197	37	71.4
## 626	1	259	133	283	81.9
## 627	0	219	31	52	341.6
## 628	0	95	147	21	179.9
## 629	1	174	167	183	22.4
## 630	1	130	335	78	332.5
## 631	1	106	320	283	81.2
## 632	0	319	16	331	165.9
## 633	0	185	288	30	77.7
## 634	0	237	125	142	273.0
## 635	0	328	289	177	245.0
## 636	0	287	343	230	96.6
## 637	0	66	46	288	308.0
## 638	1	206	161	306	298.9
## 639	0	345	93	278	143.5
## 640	0	266	207	31	295.4
## 641	1	283	322	46	112.7
## 642	0	5	210	142	333.9
## 643	0	304	18	281	113.4
## 644	0	230	0	67	65.1
## 645	1	195	329	268	322.7
## 646	1	232	338	18	161.7
## 647	0	261	38	209	155.4
## 648	1	0	250	331	231.0
## 649	1	193	138	120	146.3
## 650	1	57	89	325	179.9
## 651	1	82	53	187	20.3
## 652	1	266	227	215	201.6
## 653	0	348	284	39	45.5
## 654	0	198	317	26	289.8
## 655	1	179	166	348	294.7
## 656	0	47	308	173	317.1
## 657	1	158	284	234	182.0
## 658	1	224	205	285	310.1
## 659	0	226	151	36	221.9
## 660	0	40	133	212	158.9
## 661	1	46	193	46	78.4
## 662	1	204	158	154	322.0
## 663	0	118	86	160	128.8
## 664	1	30	138	182	215.6
## 665	1	34	9	309	13.3
## 666	1	114	110	156	116.2
## 667	0	174	194	191	243.6
## 668	1	226	332	134	147.7
## 669	1	117	293	283	27.3
## 670	0	341	316	115	282.8
## 671	1	120	328	151	128.1
## 672	0	39	44	110	342.3
## 673	0	164	114	217	214.2

## 674	0	263	328	241	208.6
## 675	0	263	111	138	181.3
## 676	1	133	346	200	149.8
## 677	1	228	305	80	44.8
## 678	0	186	147	312	185.5
## 679	1	237	293	168	233.1
## 680	1	174	9	130	189.7
## 681	0	295	150	2	327.6
## 682	0	99	99	305	77.0
## 683	0	197	341	54	280.0
## 684	1	135	116	222	109.2
## 685	1	51	153	235	200.9
## 686	1	96	186	273	181.3
## 687	1	6	228	296	219.8
## 688	0	66	188	310	205.8
## 689	0	209	6	350	335.3
## 690	1	250	106	215	82.6
## 691	1	178	296	116	126.7
## 692	0	332	253	80	37.8
## 693	1	319	27	308	157.5
## 694	1	339	284	315	286.3
## 695	1	47	24	343	336.0
## 696	1	84	29	55	144.9
## 697	0	145	174	189	343.0
## 698	0	253	30	54	17.5
## 699	1	337	308	264	158.2
## 700	0	18	260	134	316.4
## 701	1	101	265	279	58.8
## 702	0	120	24	216	126.7
## 703	1	316	165	27	133.0
## 704	0	152	7	45	56.0
## 705	1	94	35	344	47.6
## 706	0	81	154	291	203.7
## 707	1	105	347	149	248.5
## 708	1	43	202	336	298.2
## 709	0	33	143	177	282.1
## 710	0	175	341	278	350.0
## 711	1	257	217	167	159.6
## 712	1	23	53	170	63.7
## 713	1	243	328	55	43.4
## 714	0	71	20	82	190.4
## 715	0	18	47	124	305.9
## 716	0	212	295	332	84.7
## 717	1	55	220	293	58.8
## 718	1	144	120	174	242.9
## 719	1	146	336	244	129.5
## 720	0	121	346	137	114.1
## 721	1	24	255	229	265.3
## 722	0	197	268	34	252.0
## 723	1	84	129	309	121.8
## 724	0	61	132	144	214.9
## 725	0	111	25	281	97.3
## 726	0	160	304	152	115.5
## 727	1	92	234	243	315.7

## 728	1	201	122	180	98.0
## 729	0	289	209	168	171.5
## 730	0	294	95	315	303.8
## 731	0	270	266	196	160.3
## 732	1	183	250	50	25.9
## 733	0	105	4	124	67.2
## 734	1	19	144	81	67.2
## 735	1	287	149	188	301.7
## 736	0	264	41	208	245.7
## 737	1	306	8	230	158.9
## 738	0	93	293	120	256.9
## 739	0	67	169	130	322.7
## 740	1	151	144	315	23.8
## 741	0	208	157	111	14.0
## 742	0	29	26	211	20.3
## 743	1	317	330	261	28.0
## 744	1	181	309	135	226.8
## 745	0	46	175	234	348.6
## 746	1	313	105	52	293.3
## 747	1	175	44	10	114.1
## 748	1	129	341	252	210.7
## 749	1	224	59	263	246.4
## 750	1	159	108	205	189.7
## 751	0	83	169	150	313.6
## 752	0	125	278	109	210.0
## 753	1	22	32	157	32.2
## 754	0	189	192	278	158.2
## 755	0	39	9	296	142.1
## 756	0	261	139	260	74.2
## 757	0	63	143	334	266.0
## 758	1	46	121	310	126.7
## 759	1	156	204	55	300.3
## 760	1	337	217	140	79.1
## 761	1	11	296	207	301.7
## 762	1	121	140	39	287.0
## 763	1	11	141	185	326.9
## 764	1	281	66	55	336.7
## 765	0	317	24	314	1.4
## 766	1	195	82	169	228.2
## 767	1	287	24	117	151.2
## 768	0	298	244	0	305.2
## 769	1	34	166	268	249.9
## 770	1	135	215	335	32.9
## 771	1	310	114	273	325.5
## 772	1	123	20	43	119.0
## 773	1	70	334	240	148.4
## 774	0	211	172	169	233.1
## 775	1	170	322	317	24.5
## 776	0	129	265	124	130.9
## 777	1	313	151	221	277.9
## 778	0	191	58	343	137.9
## 779	0	120	224	172	313.6
## 780	0	341	305	334	178.5
## 781	1	246	111	245	119.0

## 782	0	335	64	26	21.7
## 783	0	138	210	50	338.8
## 784	0	1	106	141	171.5
## 785	0	215	159	220	107.1
## 786	1	209	339	200	151.9
## 787	0	246	139	164	35.7
## 788	1	284	349	18	301.7
## 789	0	308	293	170	163.8
## 790	0	332	204	335	98.7
## 791	1	260	13	152	23.8
## 792	0	81	342	11	75.6
## 793	1	220	87	60	16.1
## 794	1	242	215	202	233.8
## 795	0	142	144	112	95.9
## 796	1	198	43	216	247.1
## 797	0	111	179	58	4.2
## 798	1	106	254	113	45.5
## 799	1	192	84	55	140.0
## 800	0	224	224	336	149.1
## 801	1	278	349	111	156.8
## 802	1	193	297	123	177.8
## 803	1	180	37	238	344.4
## 804	0	23	53	293	101.5
## 805	1	190	17	322	282.8
## 806	0	257	237	291	168.7
## 807	1	185	21	282	65.1
## 808	0	261	4	237	58.8
## 809	1	254	83	249	28.7
## 810	1	113	1	222	30.1
## 811	1	240	92	114	144.2
## 812	0	96	130	87	242.9
## 813	1	59	243	96	276.5
## 814	0	156	145	162	21.7
## 815	0	190	283	119	173.6
## 816	1	334	205	90	75.6
## 817	1	48	326	286	18.2
## 818	0	190	272	80	18.2
## 819	1	213	295	128	245.0
## 820	1	199	299	215	140.0
## 821	1	308	302	307	81.9
## 822	1	228	63	303	131.6
## 823	0	178	298	4	228.9
## 824	1	231	231	326	71.4
## 825	1	4	38	270	276.5
## 826	0	336	183	0	48.3
## 827	0	20	244	196	147.7
## 828	0	145	154	336	142.8
## 829	1	296	114	309	204.4
## 830	0	348	319	83	124.6
## 831	0	313	27	176	309.4
## 832	1	48	303	22	225.4
## 833	0	162	220	112	273.7
## 834	0	127	89	13	282.8
## 835	1	10	129	332	314.3

## 836	1	2	107	312	319.9
## 837	0	229	159	342	294.0
## 838	0	42	37	70	238.0
## 839	0	22	36	63	13.3
## 840	1	25	80	25	3.5
## 841	1	140	21	240	339.5
## 842	0	120	145	332	245.0
## 843	1	7	330	103	65.8
## 844	1	53	59	146	161.0
## 845	0	194	304	333	98.0
## 846	0	261	142	217	44.8
## 847	0	74	85	140	175.0
## 848	0	81	73	2	212.1
## 849	0	133	207	145	74.9
## 850	1	268	106	53	258.3
## 851	0	293	273	286	37.1
## 852	1	176	143	203	49.7
## 853	1	216	239	233	322.0
## 854	0	254	186	141	136.5
## 855	1	276	113	25	107.8
## 856	0	280	58	315	144.9
## 857	1	204	80	159	39.2
## 858	1	211	132	226	109.9
## 859	1	337	188	240	296.1
## 860	1	80	298	146	72.1
## 861	1	242	95	32	95.2
## 862	0	35	157	339	74.2
## 863	0	108	170	147	108.5
## 864	0	104	235	305	333.2
## 865	1	220	240	295	347.2
## 866	1	203	313	78	130.9
## 867	0	306	52	208	272.3
## 868	0	152	65	138	66.5
## 869	0	177	165	350	13.3
## 870	1	174	72	340	221.2
## 871	1	240	281	191	278.6
## 872	0	150	120	5	51.1
## 873	0	49	323	27	237.3
## 874	1	289	225	179	191.1
## 875	0	170	212	335	180.6
## 876	0	44	217	155	117.6
## 877	1	183	116	122	285.6
## 878	1	266	322	349	210.7
## 879	0	181	230	347	67.2
## 880	1	206	83	75	207.2
## 881	0	131	323	43	192.5
## 882	0	145	329	338	53.2
## 883	1	245	160	35	86.1
## 884	1	195	171	134	100.1
## 885	0	14	149	202	107.1
## 886	1	195	248	174	128.1
## 887	0	96	304	16	140.0
## 888	1	75	140	111	14.7
## 889	1	85	231	222	230.3

## 890	0	259	127	264	195.3
## 891	0	188	291	171	165.2
## 892	0	332	317	126	216.3
## 893	1	167	326	101	107.8
## 894	1	231	280	102	121.8
## 895	1	68	211	128	30.8
## 896	1	226	66	242	194.6
## 897	1	1	303	338	158.2
## 898	1	144	155	88	44.1
## 899	0	225	289	350	305.9
## 900	0	343	257	311	22.4
## 901	0	217	263	195	238.0
## 902	1	41	97	4	338.8
## 903	1	245	59	100	310.1
## 904	0	179	136	208	210.0
## 905	0	81	146	122	81.9
## 906	1	64	248	324	45.5
## 907	0	151	277	310	330.4
## 908	1	289	45	114	219.8
## 909	1	179	285	139	331.8
## 910	1	222	55	292	164.5
## 911	0	293	283	70	95.2
## 912	0	155	193	267	8.4
## 913	1	18	215	252	347.2
## 914	1	297	166	206	93.1
## 915	1	19	305	103	116.9
## 916	1	228	273	141	134.4
## 917	1	206	140	332	62.3
## 918	1	101	322	329	63.0
## 919	1	95	53	191	104.3
## 920	1	269	132	121	261.1
## 921	0	249	205	25	207.9
## 922	0	201	288	19	277.9
## 923	1	62	294	242	205.8
## 924	1	340	225	12	234.5
## 925	1	23	282	152	144.9
## 926	0	49	6	290	59.5
## 927	1	133	35	23	210.0
## 928	1	42	130	296	296.1
## 929	1	15	208	279	102.2
## 930	0	295	235	350	289.1
## 931	0	271	157	275	137.9
## 932	1	174	304	324	179.9
## 933	1	132	209	267	284.2
## 934	0	71	300	97	319.2
## 935	0	103	22	261	207.2
## 936	1	44	222	241	205.1
## 937	0	233	307	225	276.5
## 938	1	136	247	52	84.0
## 939	0	186	94	34	141.4
## 940	0	81	1	84	256.9
## 941	0	31	162	242	28.0
## 942	0	186	166	296	182.7
## 943	1	306	207	22	216.3

## 944	0	127	259	107	35.7
## 945	0	283	111	309	34.3
## 946	0	297	81	348	234.5
## 947	1	289	215	108	259.0
## 948	1	285	92	228	249.9
## 949	1	54	78	166	309.4
## 950	1	171	226	340	102.2
## 951	1	313	35	283	54.6
## 952	1	18	247	48	63.7
## 953	0	343	155	198	270.9
## 954	1	55	57	295	103.6
## 955	1	165	129	46	212.1
## 956	0	185	225	101	346.5
## 957	0	113	18	188	196.0
## 958	0	186	101	291	220.5
## 959	1	246	92	345	301.0
## 960	1	226	218	46	42.0
## 961	1	262	172	145	299.6
## 962	1	255	247	195	339.5
## 963	0	255	105	325	186.9
## 964	0	177	121	72	87.5
## 965	0	231	155	163	26.6
## 966	0	273	82	222	198.8
## 967	1	265	91	241	37.1
## 968	0	159	342	340	15.4
## 969	0	96	236	176	304.5
## 970	0	279	252	91	128.8
## 971	0	264	279	350	55.3
## 972	0	1	79	259	198.8
## 973	0	114	138	167	270.2
## 974	1	113	302	297	232.4
## 975	1	339	8	321	21.7
## 976	0	328	300	157	289.8
## 977	1	302	190	113	275.8
## 978	0	209	20	266	318.5
## 979	1	53	228	112	100.1
## 980	0	168	135	107	124.6
## 981	0	76	188	208	324.8
## 982	1	289	310	268	161.7
## 983	1	36	98	198	291.2
## 984	1	349	82	163	202.3
## 985	0	312	39	253	214.9
## 986	1	220	236	132	282.1
## 987	1	214	198	287	195.3
## 988	1	174	36	286	333.9
## 989	0	301	226	6	22.4
## 990	1	76	337	316	32.9
## 991	0	200	237	142	100.1
## 992	1	107	54	73	197.4
## 993	1	6	43	126	47.6
## 994	1	292	147	298	188.3
## 995	1	313	236	14	328.3
## 996	0	135	132	310	13.3
## 997	1	150	90	267	347.9

## 998	1	260	292	53	147.0
## 999	0	251	39	103	301.0
## 1000	1	241	216	298	343.0
## Percentage					
## 1	68.19429				
## 2	44.87429				
## 3	47.73714				
## 4	63.61143				
## 5	41.32000				
## 6	83.24000				
## 7	34.64571				
## 8	51.30857				
## 9	55.38286				
## 10	24.14857				
## 11	65.32571				
## 12	39.81143				
## 13	44.84000				
## 14	45.86286				
## 15	37.82857				
## 16	59.89714				
## 17	44.47429				
## 18	32.08000				
## 19	54.93143				
## 20	57.83429				
## 21	61.84571				
## 22	39.75429				
## 23	34.92000				
## 24	56.49143				
## 25	39.66857				
## 26	43.72000				
## 27	38.32571				
## 28	42.76571				
## 29	57.95429				
## 30	35.72000				
## 31	53.74857				
## 32	65.72571				
## 33	52.19429				
## 34	75.58286				
## 35	82.80571				
## 36	47.13714				
## 37	47.65143				
## 38	48.40571				
## 39	35.60000				
## 40	57.99429				
## 41	10.05714				
## 42	69.70857				
## 43	52.16571				
## 44	43.27429				
## 45	58.92000				
## 46	48.41714				
## 47	71.80000				
## 48	59.69714				
## 49	55.12571				
## 50	33.24000				

```
## 51      49.21714
## 52      64.98286
## 53      42.36000
## 54      51.64000
## 55      62.00571
## 56      44.30286
## 57      58.17714
## 58      32.85714
## 59      76.73714
## 60      45.04571
## 61      59.53714
## 62      43.70857
## 63      54.70857
## 64      67.55429
## 65      53.12000
## 66      62.26286
## 67      68.20000
## 68      48.42857
## 69      59.64571
## 70      61.31429
## 71      63.97714
## 72      56.54857
## 73      51.76571
## 74      46.69143
## 75      21.92571
## 76      43.03429
## 77      32.57143
## 78      74.05143
## 79      53.57143
## 80      46.59429
## 81      52.53143
## 82      35.59429
## 83      54.98286
## 84      37.70857
## 85      29.26857
## 86      27.48571
## 87      70.77714
## 88      46.02857
## 89      61.12571
## 90      70.25143
## 91      68.21143
## 92      47.43429
## 93      53.20571
## 94      54.92571
## 95      41.92571
## 96      67.15429
## 97      32.18857
## 98      47.03429
## 99      24.64000
## 100     47.65714
## 101     51.74286
## 102     54.72571
## 103     40.08571
## 104     48.29714
```

```
## 105    47.39429
## 106    34.95429
## 107    52.49714
## 108    38.99429
## 109    28.46857
## 110    52.00571
## 111    46.38286
## 112    60.24571
## 113    51.79429
## 114    64.93143
## 115    57.41143
## 116    33.58857
## 117    48.38857
## 118    32.92571
## 119    63.19429
## 120    42.84000
## 121    60.67429
## 122    35.24000
## 123    48.89143
## 124    59.58857
## 125    68.93143
## 126    56.65714
## 127    56.29714
## 128    57.55429
## 129    52.29143
## 130    44.88571
## 131    43.47429
## 132    62.08000
## 133    39.56571
## 134    29.76000
## 135    57.96000
## 136    44.16571
## 137    59.36000
## 138    69.70857
## 139    48.70286
## 140    56.97143
## 141    65.94286
## 142    50.93714
## 143    53.01714
## 144    42.10857
## 145    47.67429
## 146    35.80571
## 147    42.78857
## 148    48.41714
## 149    62.10286
## 150    58.60571
## 151    39.56571
## 152    63.16000
## 153    26.84571
## 154    46.18857
## 155    78.18286
## 156    56.61714
## 157    36.77143
## 158    36.36000
```

```
## 159      55.53143
## 160      63.17143
## 161      51.36571
## 162      68.29714
## 163      34.80000
## 164      42.47429
## 165      29.89143
## 166      52.30286
## 167      47.83429
## 168      41.26286
## 169      56.52571
## 170      54.67429
## 171      42.14857
## 172      40.41714
## 173      64.85714
## 174      58.09714
## 175      39.35429
## 176      39.99429
## 177      50.83429
## 178      76.87429
## 179      63.53714
## 180      69.96000
## 181      69.76571
## 182      49.62286
## 183      68.82286
## 184      69.05714
## 185      27.58286
## 186      23.96571
## 187      39.13714
## 188      58.89714
## 189      25.63429
## 190      56.08571
## 191      48.80000
## 192      55.30286
## 193      44.44571
## 194      28.93714
## 195      38.61714
## 196      48.49143
## 197      49.01143
## 198      52.70857
## 199      51.31429
## 200      42.08000
## 201      47.50286
## 202      50.31429
## 203      49.20000
## 204      49.61714
## 205      51.32000
## 206      50.26857
## 207      29.50857
## 208      45.57714
## 209      14.25143
## 210      49.56000
## 211      43.76000
## 212      49.16571
```

```
## 213      53.53143
## 214      52.73143
## 215      38.96000
## 216      33.55429
## 217      46.30857
## 218      32.28000
## 219      58.42286
## 220      37.44000
## 221      45.72000
## 222      64.66857
## 223      52.61143
## 224      55.25714
## 225      31.94857
## 226      39.79429
## 227      54.19429
## 228      45.97143
## 229      52.47429
## 230      48.45143
## 231      62.38857
## 232      31.74286
## 233      31.13714
## 234      26.04000
## 235      34.42286
## 236      55.05143
## 237      42.77714
## 238      48.62286
## 239      38.83429
## 240      54.34286
## 241      30.45143
## 242      67.78286
## 243      31.42286
## 244      34.25143
## 245      41.80571
## 246      65.28000
## 247      31.00000
## 248      46.26286
## 249      42.63429
## 250      74.51429
## 251      35.74286
## 252      62.84571
## 253      40.46286
## 254      42.04571
## 255      49.81714
## 256      45.62857
## 257      56.69714
## 258      55.07429
## 259      35.65143
## 260      49.17143
## 261      42.80000
## 262      52.35429
## 263      47.23429
## 264      32.54857
## 265      15.48000
## 266      59.46857
```

```
## 267      47.57143
## 268      44.33143
## 269      64.90857
## 270      69.20571
## 271      34.70286
## 272      35.82286
## 273      75.26286
## 274      59.59429
## 275      66.62857
## 276      50.97143
## 277      29.49143
## 278      36.54286
## 279      68.68571
## 280      44.10286
## 281      36.97143
## 282      58.03429
## 283      43.65143
## 284      52.69143
## 285      46.48000
## 286      53.40000
## 287      41.97143
## 288      40.40000
## 289      55.36000
## 290      44.93714
## 291      49.52571
## 292      47.23429
## 293      55.20000
## 294      46.13714
## 295      42.06286
## 296      46.77143
## 297      45.62286
## 298      39.23429
## 299      74.30286
## 300      34.44000
## 301      58.82857
## 302      40.24571
## 303      30.59429
## 304      60.19429
## 305      47.06286
## 306      48.96000
## 307      57.16571
## 308      49.13714
## 309      45.68000
## 310      57.54857
## 311      64.16571
## 312      86.13714
## 313      46.01714
## 314      34.52000
## 315      45.37143
## 316      61.81143
## 317      55.96000
## 318      22.09143
## 319      49.96000
## 320      29.06857
```

```
## 321 39.11429
## 322 37.65714
## 323 50.37143
## 324 61.98857
## 325 67.41714
## 326 47.86286
## 327 81.66286
## 328 54.12000
## 329 26.57714
## 330 51.02286
## 331 56.68000
## 332 73.29143
## 333 30.74286
## 334 59.70286
## 335 65.74286
## 336 57.48000
## 337 44.27429
## 338 45.29143
## 339 66.26286
## 340 73.41714
## 341 58.37143
## 342 48.25143
## 343 69.96000
## 344 37.64571
## 345 53.34286
## 346 65.12571
## 347 74.40571
## 348 52.37714
## 349 49.17714
## 350 42.92000
## 351 69.42286
## 352 26.29143
## 353 43.85143
## 354 61.74857
## 355 65.16571
## 356 47.91429
## 357 45.11429
## 358 60.82286
## 359 55.37714
## 360 28.82286
## 361 70.41714
## 362 34.33714
## 363 57.20000
## 364 39.22857
## 365 65.98286
## 366 34.29714
## 367 41.14857
## 368 46.60571
## 369 36.08000
## 370 56.54286
## 371 34.85143
## 372 54.06857
## 373 68.86286
## 374 58.50286
```

```
## 375 34.93143
## 376 36.23429
## 377 35.72000
## 378 48.49143
## 379 51.27429
## 380 37.41714
## 381 38.14857
## 382 61.85714
## 383 45.26857
## 384 66.78857
## 385 53.36000
## 386 14.06857
## 387 36.92000
## 388 41.28000
## 389 62.35429
## 390 47.53143
## 391 47.55429
## 392 47.35429
## 393 43.40571
## 394 66.82286
## 395 44.10286
## 396 43.40571
## 397 61.62857
## 398 38.34857
## 399 49.48000
## 400 57.55429
## 401 36.44000
## 402 50.46857
## 403 73.57714
## 404 71.53714
## 405 24.09714
## 406 65.06286
## 407 87.42286
## 408 37.15429
## 409 10.11429
## 410 72.78286
## 411 54.37714
## 412 67.40571
## 413 34.60000
## 414 45.52000
## 415 42.40000
## 416 75.01143
## 417 43.77714
## 418 74.68000
## 419 35.22286
## 420 63.03429
## 421 51.83429
## 422 60.42857
## 423 51.58286
## 424 36.37714
## 425 16.94857
## 426 41.05143
## 427 44.94857
## 428 42.64571
```

```
## 429      50.85143
## 430      44.34857
## 431      58.96571
## 432      46.86857
## 433      52.20000
## 434      27.77143
## 435      48.87429
## 436      47.84571
## 437      69.37143
## 438      46.17714
## 439      34.02286
## 440      40.45714
## 441      52.25714
## 442      46.42857
## 443      41.84000
## 444      53.01143
## 445      46.53714
## 446      55.30857
## 447      61.13714
## 448      61.87429
## 449      52.69143
## 450      42.29714
## 451      52.78857
## 452      42.77143
## 453      52.16000
## 454      31.34286
## 455      37.47429
## 456      45.11429
## 457      68.94286
## 458      54.34857
## 459      40.65714
## 460      46.25714
## 461      11.40000
## 462      51.54286
## 463      71.66857
## 464      39.77714
## 465      53.67429
## 466      68.29143
## 467      65.81143
## 468      51.66286
## 469      63.55429
## 470      40.47429
## 471      37.22286
## 472      73.18857
## 473      38.94286
## 474      40.76000
## 475      35.94286
## 476      55.14286
## 477      42.92000
## 478      48.75429
## 479      48.98857
## 480      51.80571
## 481      23.87429
## 482      53.68571
```

```
## 483 46.80000
## 484 55.84571
## 485 49.17714
## 486 16.28571
## 487 43.82286
## 488 66.04000
## 489 52.50286
## 490 46.58857
## 491 31.16571
## 492 58.37714
## 493 57.06857
## 494 55.18857
## 495 32.49714
## 496 69.81143
## 497 56.78857
## 498 27.69143
## 499 35.26857
## 500 60.72571
## 501 44.66857
## 502 56.04571
## 503 74.41714
## 504 58.62857
## 505 70.86857
## 506 46.69714
## 507 45.93714
## 508 15.50286
## 509 52.30857
## 510 61.34857
## 511 55.99429
## 512 31.35429
## 513 63.32000
## 514 55.58857
## 515 42.77714
## 516 70.33714
## 517 45.95429
## 518 49.13143
## 519 38.65714
## 520 52.85714
## 521 53.09714
## 522 46.11429
## 523 59.70857
## 524 36.37714
## 525 43.66857
## 526 57.58857
## 527 59.82286
## 528 72.41143
## 529 42.12000
## 530 33.52000
## 531 30.84000
## 532 60.07429
## 533 57.97143
## 534 60.36000
## 535 50.55429
## 536 45.46857
```

```
## 537 39.00571
## 538 80.38286
## 539 40.76571
## 540 35.70286
## 541 45.12000
## 542 53.73143
## 543 37.46286
## 544 81.34286
## 545 50.57714
## 546 53.50857
## 547 33.13714
## 548 36.70286
## 549 69.05714
## 550 60.73143
## 551 47.12571
## 552 59.79429
## 553 51.64000
## 554 69.15429
## 555 48.05714
## 556 72.78286
## 557 48.59429
## 558 52.14857
## 559 69.36571
## 560 50.72000
## 561 46.71429
## 562 76.21143
## 563 52.24000
## 564 18.38286
## 565 48.49143
## 566 60.65714
## 567 64.36571
## 568 53.62286
## 569 63.84571
## 570 38.05143
## 571 49.31429
## 572 57.85143
## 573 59.98286
## 574 55.55429
## 575 32.84000
## 576 51.36000
## 577 28.45714
## 578 60.96000
## 579 49.97143
## 580 41.86286
## 581 35.34857
## 582 45.66286
## 583 44.70286
## 584 56.70286
## 585 55.89714
## 586 56.93143
## 587 56.08000
## 588 57.96571
## 589 42.66286
## 590 47.73143
```

```
## 591 37.97714
## 592 70.02286
## 593 20.18286
## 594 28.42286
## 595 69.39429
## 596 37.60571
## 597 42.28000
## 598 75.57714
## 599 46.44571
## 600 57.45143
## 601 51.31429
## 602 41.83429
## 603 46.64000
## 604 58.42286
## 605 51.90286
## 606 56.13714
## 607 36.63429
## 608 49.53714
## 609 40.18286
## 610 58.98286
## 611 50.26286
## 612 62.74286
## 613 27.56571
## 614 48.73143
## 615 63.67429
## 616 30.22857
## 617 23.31429
## 618 46.45143
## 619 48.27429
## 620 49.74286
## 621 56.67429
## 622 47.96000
## 623 74.09714
## 624 43.95429
## 625 41.50857
## 626 45.36571
## 627 49.80571
## 628 27.88000
## 629 47.10857
## 630 64.65714
## 631 46.98286
## 632 61.19429
## 633 33.58286
## 634 55.71429
## 635 65.48571
## 636 73.57714
## 637 57.08571
## 638 62.16571
## 639 50.14286
## 640 57.56571
## 641 59.01143
## 642 40.56571
## 643 52.93714
## 644 35.14857
```

```
## 645 75.46857
## 646 46.72571
## 647 53.50857
## 648 65.88571
## 649 34.41714
## 650 43.53714
## 651 36.70286
## 652 60.94857
## 653 51.74286
## 654 64.78857
## 655 64.38286
## 656 66.97714
## 657 65.08571
## 658 58.97714
## 659 53.65143
## 660 43.48000
## 661 22.76571
## 662 51.88571
## 663 30.73143
## 664 42.60571
## 665 36.93143
## 666 31.15429
## 667 54.14857
## 668 61.92571
## 669 56.30286
## 670 69.76000
## 671 55.32000
## 672 35.21714
## 673 42.29714
## 674 72.83429
## 675 52.13143
## 676 65.01714
## 677 54.61714
## 678 59.85714
## 679 68.69143
## 680 35.12571
## 681 55.57714
## 682 40.80000
## 683 51.65714
## 684 41.72571
## 685 46.16571
## 686 61.27429
## 687 61.18857
## 688 44.96000
## 689 67.96000
## 690 44.54857
## 691 57.52571
## 692 59.81714
## 693 49.05714
## 694 79.21714
## 695 48.22857
## 696 29.76571
## 697 67.08571
## 698 32.31429
```

```
## 699      62.06857
## 700      41.68000
## 701      59.07429
## 702      47.18286
## 703      38.85714
## 704      29.20000
## 705      37.69143
## 706      46.84000
## 707      51.62857
## 708      63.26857
## 709      52.57714
## 710      83.54286
## 711      55.29143
## 712      35.35429
## 713      54.53714
## 714      32.53714
## 715      36.96571
## 716      60.44000
## 717      46.90286
## 718      47.99429
## 719      53.85714
## 720      48.97714
## 721      44.76000
## 722      49.25714
## 723      47.93143
## 724      50.56571
## 725      46.18857
## 726      59.91429
## 727      69.35429
## 728      36.91429
## 729      54.42857
## 730      76.38857
## 731      57.38857
## 732      48.90857
## 733      34.64000
## 734      26.24000
## 735      69.69714
## 736      43.92571
## 737      48.79429
## 738      49.30857
## 739      58.89714
## 740      42.90286
## 741      36.80000
## 742      27.04571
## 743      66.57143
## 744      59.47429
## 745      46.32000
## 746      49.73143
## 747      36.57714
## 748      67.81143
## 749      46.88000
## 750      54.09714
## 751      42.32000
## 752      42.97143
```

```
## 753 23.89714
## 754 48.46857
## 755 45.43429
## 756 56.86857
## 757 61.25714
## 758 35.92571
## 759 50.36000
## 760 44.63429
## 761 48.66857
## 762 42.40000
## 763 57.82286
## 764 53.81143
## 765 45.73714
## 766 58.06857
## 767 45.55429
## 768 51.49714
## 769 59.82286
## 770 42.22286
## 771 61.17143
## 772 34.34286
## 773 57.90857
## 774 51.77714
## 775 66.88571
## 776 56.90857
## 777 69.65143
## 778 57.08000
## 779 54.83429
## 780 73.80000
## 781 42.68571
## 782 42.95429
## 783 55.53143
## 784 31.00000
## 785 52.06286
## 786 56.90857
## 787 48.66857
## 788 68.78286
## 789 53.70286
## 790 63.69714
## 791 34.21714
## 792 31.52000
## 793 22.40571
## 794 67.81714
## 795 37.93714
## 796 48.52000
## 797 29.15429
## 798 31.17143
## 799 45.82857
## 800 71.03429
## 801 61.18857
## 802 51.24571
## 803 48.25143
## 804 46.42857
## 805 49.81714
## 806 60.72571
```

```
## 807      41.32000
## 808      47.98857
## 809      37.01143
## 810      31.94857
## 811      34.29714
## 812      39.76571
## 813      46.77143
## 814      34.66857
## 815      55.46286
## 816      52.72000
## 817      55.72571
## 818      40.06857
## 819      58.45714
## 820      52.57143
## 821      58.50857
## 822      46.20571
## 823      41.93714
## 824      63.10857
## 825      43.17143
## 826      44.76000
## 827      41.29714
## 828      45.64571
## 829      71.90857
## 830      59.86286
## 831      65.62286
## 832      49.39429
## 833      52.55429
## 834      32.61714
## 835      57.73143
## 836      59.82286
## 837      64.91429
## 838      25.82857
## 839      19.73143
## 840      13.74286
## 841      51.45714
## 842      67.54286
## 843      36.90286
## 844      43.94286
## 845      69.88571
## 846      49.70286
## 847      27.88571
## 848      40.63429
## 849      37.02286
## 850      51.50286
## 851      59.09143
## 852      35.18286
## 853      68.00000
## 854      55.57143
## 855      34.67429
## 856      58.45143
## 857      47.55429
## 858      55.82286
## 859      62.80571
## 860      37.14857
```

```
## 861 27.55429
## 862 48.18286
## 863 31.74286
## 864 56.12571
## 865 67.78286
## 866 41.53714
## 867 53.21714
## 868 31.57143
## 869 54.24571
## 870 54.46857
## 871 72.83429
## 872 30.40571
## 873 55.04571
## 874 66.12000
## 875 68.20571
## 876 47.63429
## 877 57.69143
## 878 69.24000
## 879 64.24000
## 880 45.89714
## 881 41.62857
## 882 59.95429
## 883 44.06286
## 884 43.14857
## 885 33.54857
## 886 60.86286
## 887 33.37143
## 888 36.84000
## 889 56.53143
## 890 53.44571
## 891 54.01143
## 892 62.81714
## 893 49.24571
## 894 44.16000
## 895 27.13143
## 896 46.26286
## 897 46.98286
## 898 32.97714
## 899 85.76571
## 900 56.76571
## 901 69.60000
## 902 35.64571
## 903 45.72000
## 904 46.11429
## 905 36.50857
## 906 45.05714
## 907 76.70857
## 908 46.38857
## 909 67.13143
## 910 52.60000
## 911 48.86857
## 912 38.99429
## 913 52.18286
## 914 51.14857
```

```
## 915      41.88000
## 916      61.45143
## 917      47.78857
## 918      55.60000
## 919      35.10286
## 920      58.23429
## 921      53.02286
## 922      62.85143
## 923      48.96000
## 924      50.14286
## 925      43.88000
## 926      27.28571
## 927      39.02857
## 928      50.57714
## 929      53.04000
## 930      79.72000
## 931      60.22286
## 932      68.56571
## 933      57.66857
## 934      63.44000
## 935      47.09714
## 936      45.49143
## 937      78.02857
## 938      48.51429
## 939      35.22286
## 940      33.99429
## 941      35.02857
## 942      61.69714
## 943      60.36000
## 944      38.26857
## 945      55.38857
## 946      62.20000
## 947      66.45714
## 948      67.02286
## 949      53.39429
## 950      64.01143
## 951      51.29143
## 952      25.35429
## 953      72.62286
## 954      38.09143
## 955      48.12000
## 956      63.74286
## 957      44.51429
## 958      51.22857
## 959      59.65714
## 960      38.22857
## 961      58.60571
## 962      73.45714
## 963      65.70857
## 964      28.77143
## 965      49.23429
## 966      47.53143
## 967      52.46286
## 968      60.02286
```

```

## 969    58.77143
## 970    52.44571
## 971    71.67429
## 972    46.38857
## 973    47.44000
## 974    72.42286
## 975    42.49714
## 976    69.01714
## 977    62.10286
## 978    63.00000
## 979    45.03429
## 980    43.46286
## 981    61.70286
## 982    59.18286
## 983    37.66857
## 984    52.98857
## 985    58.73714
## 986    63.20571
## 987    60.13143
## 988    64.85143
## 989    43.73714
## 990    60.73714
## 991    40.12000
## 992    37.39429
## 993    30.32000
## 994    67.04571
## 995    56.36000
## 996    33.84571
## 997    58.16571
## 998    52.51429
## 999    51.54286
## 1000   77.60000

```

Q4) Analyze the dataset and summarise.

```
summary(data_frame)
```

```

## Application.Number    GRE.Score      TOEFL.Score    Previous.Category
## Min.   :2000001     Min.   : 1.0     Min.   : 1.0     0:207
## 1st Qu.:2000251     1st Qu.: 90.0    1st Qu.:120.0    1:143
## Median :2000501     Median :173.0    Median :244.5    2:148
## Mean   :2000501     Mean   :175.8    Mean   :249.2    3:169
## 3rd Qu.:2000750     3rd Qu.:267.0    3rd Qu.:376.2    4:164
## Max.   :2001000     Max.   :350.0    Max.   :500.0    5:169
##          CGPA        Research.Interest Maths.Score    English.Score
## Min.   : 0.000     Min.   :0.000     Min.   : 0.00     Min.   : 0.0
## 1st Qu.: 2.675     1st Qu.:0.000     1st Qu.: 88.75   1st Qu.: 88.0
## Median : 5.100     Median :1.000     Median :179.00   Median :169.0
## Mean   : 5.034     Mean   :0.505     Mean   :174.51   Mean   :172.5
## 3rd Qu.: 7.325     3rd Qu.:1.000     3rd Qu.:261.00   3rd Qu.:262.2
## Max.   :10.000     Max.   :1.000     Max.   :350.00   Max.   :350.0
##          CS.Score    TOEFL.Score2 Percentage
## Min.   : 0.0       Min.   : 0.7     Min.   :10.06

```

```

## 1st Qu.: 95.0 1st Qu.: 84.0 1st Qu.:41.83
## Median :178.0 Median :171.2 Median :49.62
## Mean   :179.4 Mean   :174.4 Mean   :50.10
## 3rd Qu.:268.0 3rd Qu.:263.4 3rd Qu.:58.97
## Max.   :350.0  Max.   :350.0  Max.   :87.42

```

#There are 1000 students in this data frame (identified by application numbers) with their marks in 5 subjects

Q5) Calculate the APS score and assign it as a separate Column. The calculation of APS is as follows. Take a look at the points system below to help work out your score. $80\% - 100\% = 7$ points $70\% - 79\% = 6$ points $60\% - 69\% = 5$ points $50\% - 59\% = 4$ points $40\% - 49\% = 3$ points $30\% - 39\% = 2$ points $0\% - 29\% = 1$ point

The percentage you received for each matric subject will determine your points and score calculation. Most universities will follow this 1-7 points system.

For example, Matthew had the following marks for his six matric subjects:

Math's: 55% English: 85% GRE: 77% TOEFL: 90% Accounting: 50% Computer Science: 52% This is what his points will look like:

Math= 4 points English = 7 points GRE= 6 points TOEFL= 7 points Accounting= 4 points Physics= 4 points

In total Matthew has a score of 32 APS, which isn't too bad. The highest APS score that someone can get is 42. That would mean that they would have to have distinctions for all of their fundamental subjects.

```

maths_per <- (data_frame$Maths.Score/350)*100
maths_aps <- data_frame$APS <- ifelse(maths_per<30, 1, ifelse(maths_per<40, 2, ifelse(maths_per<50, 3, ifelse(maths_per<60, 4, ifelse(maths_per<70, 5, ifelse(maths_per<80, 6, ifelse(maths_per<90, 7, ifelse(maths_per<100, 8, 9)))))))

english_per <- (data_frame$English.Score/350)*100
english_aps <- data_frame$APS <- ifelse(english_per<30, 1, ifelse(english_per<40, 2, ifelse(english_per<50, 3, ifelse(english_per<60, 4, ifelse(english_per<70, 5, ifelse(english_per<80, 6, ifelse(english_per<90, 7, ifelse(english_per<100, 8, 9)))))))

cs_per <- (data_frame$CS.Score/350)*100
cs_aps <- data_frame$APS <- ifelse(cs_per<30, 1, ifelse(cs_per<40, 2, ifelse(cs_per<50, 3, ifelse(cs_per<60, 4, ifelse(cs_per<70, 5, ifelse(cs_per<80, 6, ifelse(cs_per<90, 7, ifelse(cs_per<100, 8, 9)))))))

gre_per <- (data_frame$GRE.Score/350)*100
gre_aps <- data_frame$APS <- ifelse(gre_per<30, 1, ifelse(gre_per<40, 2, ifelse(gre_per<50, 3, ifelse(gre_per<60, 4, ifelse(gre_per<70, 5, ifelse(gre_per<80, 6, ifelse(gre_per<90, 7, ifelse(gre_per<100, 8, 9))))))))))

toefl_per <- (data_frame$TOEFL.Score/350)*100
toefl_aps <- data_frame$APS <- ifelse(toefl_per<30, 1, ifelse(toefl_per<40, 2, ifelse(toefl_per<50, 3, ifelse(toefl_per<60, 4, ifelse(toefl_per<70, 5, ifelse(toefl_per<80, 6, ifelse(toefl_per<90, 7, ifelse(toefl_per<100, 8, 9))))))))))

data_frame$APS <- maths_aps + english_aps + cs_aps + gre_aps + toefl_aps
data_frame

```

	Application.Number	GRE.Score	TOEFL.Score	Previous.Category	CGPA
## 1	2000647	307	112	3	2.5
## 2	2000477	128	469	5	2.2
## 3	2000536	284	82	0	3.7
## 4	2000444	298	216	5	0.1
## 5	2000985	290	93	3	7.9
## 6	2000049	286	481	0	7.1
## 7	2000072	55	79	0	2.5
## 8	2000617	172	227	2	8.6
## 9	2000282	314	36	3	6.9

## 10	2000059	19	248	0	3.1
## 11	2000272	344	156	4	4.2
## 12	2000356	56	401	5	4.9
## 13	2000705	166	431	2	6.4
## 14	2000520	186	58	5	6.9
## 15	2000451	114	130	0	4.8
## 16	2000553	187	226	3	9.4
## 17	2000620	247	19	4	8.9
## 18	2000998	227	102	1	0.7
## 19	2000698	263	499	4	0.4
## 20	2000619	256	93	2	6.9
## 21	2000879	256	219	4	8.3
## 22	2000949	178	441	0	9.4
## 23	2000889	232	173	4	0.7
## 24	2000696	274	248	5	5.6
## 25	2000226	266	106	4	9.5
## 26	2000665	160	493	4	0.8
## 27	2000971	97	381	5	2.9
## 28	2000112	280	122	5	7.2
## 29	2000240	265	156	3	8.6
## 30	2000701	2	83	2	6.1
## 31	2000361	115	438	3	5.5
## 32	2000157	114	366	1	4.1
## 33	2000517	340	92	1	9.2
## 34	2000259	329	371	2	9.3
## 35	2000869	303	343	0	7.5
## 36	2000094	210	377	4	3.9
## 37	2000957	54	237	0	5.9
## 38	2000004	169	253	0	8.5
## 39	2000941	77	280	3	7.8
## 40	2000541	290	397	0	1.9
## 41	2000132	37	80	2	5.1
## 42	2000296	350	387	5	0.1
## 43	2000643	313	357	2	6.4
## 44	2000302	221	139	5	2.6
## 45	2000438	215	303	1	0.0
## 46	2000319	175	9	3	4.0
## 47	2000625	302	435	2	1.1
## 48	2000908	77	301	1	9.4
## 49	2000649	201	191	0	9.1
## 50	2000405	108	21	4	8.2
## 51	2000274	7	229	4	1.6
## 52	2000560	293	136	0	1.5
## 53	2000761	314	189	3	9.4
## 54	2000718	136	311	4	5.3
## 55	2000012	151	453	3	4.4
## 56	2000777	261	99	5	1.5
## 57	2000514	252	83	0	3.7
## 58	2000393	242	40	0	2.7
## 59	2000126	331	237	4	1.7
## 60	2000531	6	199	3	2.3
## 61	2000396	319	37	0	1.3
## 62	2000716	328	227	3	1.6
## 63	2000775	20	442	5	3.2

## 64	2000275	248	446	0	0.3
## 65	2000959	334	338	3	8.8
## 66	2000936	248	238	5	6.4
## 67	2000812	242	385	2	6.6
## 68	2000830	190	55	0	0.4
## 69	2000819	310	44	1	6.0
## 70	2000828	12	380	1	8.7
## 71	2000608	173	148	0	6.3
## 72	2000715	147	468	2	7.8
## 73	2000926	334	237	2	7.8
## 74	2000937	279	133	2	4.6
## 75	2000594	29	91	4	8.3
## 76	2000786	93	293	4	0.1
## 77	2000439	69	40	5	2.5
## 78	2000088	349	217	4	8.4
## 79	2000402	171	345	1	3.0
## 80	2000760	3	302	5	9.5
## 81	2000709	235	129	2	1.6
## 82	2000861	83	267	5	0.7
## 83	2000392	177	246	5	9.6
## 84	2000242	226	307	0	7.4
## 85	2000948	39	106	1	4.2
## 86	2000787	65	50	0	4.1
## 87	2000991	243	198	1	0.4
## 88	2000170	103	35	3	5.2
## 89	2000905	154	401	5	2.1
## 90	2000624	213	342	4	4.4
## 91	2000212	311	451	0	5.1
## 92	2000931	256	243	3	4.5
## 93	2000843	310	123	4	0.8
## 94	2000780	200	246	2	7.3
## 95	2000033	155	441	4	0.3
## 96	2000662	243	466	1	4.7
## 97	2000508	67	19	4	4.1
## 98	2000839	33	243	0	8.6
## 99	2000695	10	266	0	8.6
## 100	2000345	149	20	4	4.4
## 101	2000751	237	375	2	8.5
## 102	2000809	8	171	3	5.1
## 103	2000720	64	105	3	3.6
## 104	2000710	62	316	3	9.5
## 105	2000708	93	52	5	0.7
## 106	2000173	185	421	2	10.0
## 107	2000404	185	21	3	8.1
## 108	2000808	10	202	5	0.2
## 109	2000071	141	86	4	2.0
## 110	2000040	282	33	2	9.7
## 111	2000702	94	381	4	5.8
## 112	2000847	218	399	5	7.8
## 113	2000340	231	242	5	0.8
## 114	2000860	137	189	5	8.1
## 115	2000201	272	461	0	3.8
## 116	2000194	53	104	4	7.9
## 117	2000700	275	334	4	3.1

## 118	2000737	159	66	1	4.4
## 119	2000999	262	437	2	4.2
## 120	2000342	16	251	1	4.1
## 121	2000216	283	374	5	9.4
## 122	2000051	17	391	0	3.1
## 123	2000415	87	88	4	1.8
## 124	2000956	334	344	4	7.1
## 125	2000028	245	479	1	8.5
## 126	2000229	221	325	3	3.0
## 127	2000713	250	106	0	0.3
## 128	2000426	190	456	4	3.8
## 129	2000338	340	213	0	0.5
## 130	2000636	148	55	1	7.3
## 131	2000896	12	274	5	3.5
## 132	2000483	120	422	4	8.3
## 133	2000628	39	152	5	7.0
## 134	2000164	56	74	3	2.3
## 135	2000854	46	449	4	2.8
## 136	2000411	263	327	0	2.3
## 137	2000455	105	434	5	2.7
## 138	2000060	296	97	2	2.6
## 139	2000612	57	489	2	5.5
## 140	2000942	161	230	5	3.2
## 141	2000481	252	280	4	8.2
## 142	2000871	90	332	3	5.9
## 143	2000391	350	264	0	5.8
## 144	2000878	102	437	0	4.5
## 145	2000357	236	279	5	1.7
## 146	2000900	176	148	4	9.5
## 147	2000081	47	134	2	8.3
## 148	2000919	238	249	2	2.7
## 149	2000294	334	154	0	9.1
## 150	2000495	177	108	2	8.4
## 151	2000423	264	132	4	3.2
## 152	2000799	8	399	3	0.9
## 153	2000515	11	114	4	2.7
## 154	2000500	236	229	2	10.0
## 155	2000123	241	426	2	2.7
## 156	2000410	98	494	0	9.3
## 157	2000489	16	165	3	1.7
## 158	2000537	156	439	0	9.4
## 159	2000109	42	404	2	9.8
## 160	2000443	315	435	1	4.2
## 161	2000916	199	167	1	6.2
## 162	2000457	312	326	0	0.4
## 163	2000685	174	290	3	1.9
## 164	2000067	10	89	3	4.6
## 165	2000876	285	23	5	7.4
## 166	2000739	217	99	2	7.4
## 167	2000902	44	333	3	9.5
## 168	2000011	217	403	1	5.5
## 169	2000512	233	216	2	7.1
## 170	2000292	347	174	5	2.8
## 171	2000940	39	328	0	0.8

## 172	2000493	248	189	1	5.4
## 173	2000486	332	140	2	0.9
## 174	2000724	127	491	0	5.4
## 175	2000207	43	391	4	5.2
## 176	2000921	251	277	1	2.3
## 177	2000303	288	238	0	5.8
## 178	2000910	283	399	2	6.2
## 179	2000572	327	337	4	6.3
## 180	2000046	277	479	2	6.0
## 181	2000230	346	247	0	4.5
## 182	2000816	77	402	4	0.4
## 183	2000251	216	372	1	6.1
## 184	2000210	289	385	0	8.9
## 185	2000602	9	1	0	2.6
## 186	2000003	71	72	3	0.4
## 187	2000019	150	57	4	1.6
## 188	2000025	170	191	0	8.9
## 189	2000182	98	238	4	0.4
## 190	2000898	94	215	0	2.4
## 191	2000488	239	110	5	5.1
## 192	2000037	61	404	3	2.7
## 193	2000544	274	344	0	6.3
## 194	2000241	178	22	2	9.2
## 195	2000144	170	434	3	6.4
## 196	2000511	322	68	0	7.4
## 197	2000680	52	61	5	2.8
## 198	2000346	330	12	4	6.9
## 199	2000747	216	410	5	4.2
## 200	2000499	320	92	0	9.1
## 201	2000223	308	289	2	8.2
## 202	2000096	13	165	1	6.5
## 203	2000859	297	490	4	6.3
## 204	2000399	46	459	4	1.3
## 205	2000874	182	243	0	2.3
## 206	2000923	143	341	4	9.3
## 207	2000826	46	42	2	9.9
## 208	2000584	337	388	0	8.3
## 209	2000350	4	42	5	3.8
## 210	2000063	318	49	1	5.2
## 211	2000661	60	434	4	7.4
## 212	2000435	58	242	2	6.7
## 213	2000903	267	354	1	7.4
## 214	2000899	163	374	1	6.8
## 215	2000674	14	444	0	3.9
## 216	2000670	78	46	1	1.0
## 217	2000133	101	322	5	4.5
## 218	2000613	42	217	3	0.1
## 219	2000699	92	442	1	7.3
## 220	2000283	298	296	5	5.0
## 221	2000659	84	473	1	9.4
## 222	2000829	317	431	3	7.6
## 223	2000473	144	21	2	2.6
## 224	2000638	194	180	0	3.7
## 225	2000800	161	243	2	5.8

## 226	2000298	46	322	0	2.4
## 227	2000429	306	252	3	0.3
## 228	2000205	314	445	3	8.8
## 229	2000374	20	89	3	9.0
## 230	2000888	109	187	1	5.1
## 231	2000663	334	364	0	6.4
## 232	2000604	295	65	0	0.3
## 233	2000497	15	337	2	3.9
## 234	2000863	41	191	4	8.5
## 235	2000015	8	132	5	6.5
## 236	2000789	236	152	3	6.6
## 237	2000823	90	408	3	5.0
## 238	2000832	102	487	3	2.8
## 239	2000145	113	408	0	6.2
## 240	2000719	108	140	2	9.7
## 241	2000924	225	87	5	2.1
## 242	2000265	214	176	2	6.0
## 243	2000945	76	467	3	7.2
## 244	2000918	58	372	3	1.7
## 245	2000430	206	398	3	6.3
## 246	2000655	235	452	3	8.9
## 247	2000127	10	335	2	4.4
## 248	2000057	281	78	3	1.6
## 249	2000622	51	493	1	5.1
## 250	2000384	299	460	5	9.7
## 251	2000781	11	215	2	6.8
## 252	2000385	92	454	0	3.1
## 253	2000266	8	273	5	4.6
## 254	2000152	297	14	0	2.8
## 255	2000526	152	4	4	3.6
## 256	2000401	215	105	3	0.7
## 257	2000932	203	126	5	4.0
## 258	2000083	279	24	1	6.9
## 259	2000082	109	137	0	7.8
## 260	2000195	348	55	2	0.9
## 261	2000855	27	230	4	9.6
## 262	2000461	93	246	2	0.0
## 263	2000138	190	308	3	2.5
## 264	2000590	57	138	0	9.9
## 265	2000099	19	67	2	5.4
## 266	2000583	122	361	3	3.0
## 267	2000227	137	225	2	5.9
## 268	2000967	110	214	4	2.7
## 269	2000946	65	277	4	0.4
## 270	2000822	102	423	0	9.0
## 271	2000353	288	99	2	1.2
## 272	2000589	252	27	4	0.3
## 273	2000232	261	323	2	1.9
## 274	2000814	81	447	3	4.3
## 275	2000178	178	370	4	5.1
## 276	2000031	170	60	3	6.6
## 277	2000837	11	233	3	5.1
## 278	2000460	24	355	4	3.3
## 279	2000095	280	220	3	6.5

## 280	2000750	154	484	2	5.6
## 281	2000367	254	100	3	6.5
## 282	2000642	160	358	5	4.8
## 283	2000725	93	97	1	2.6
## 284	2000682	243	283	4	1.7
## 285	2000795	96	162	1	6.5
## 286	2000815	308	395	1	2.0
## 287	2000373	190	85	5	9.7
## 288	2000765	100	300	1	5.2
## 289	2000293	186	84	3	5.3
## 290	2000467	160	122	2	7.9
## 291	2000523	17	221	4	6.3
## 292	2000581	74	258	5	2.8
## 293	2000349	274	280	5	4.3
## 294	2000807	127	142	5	1.7
## 295	2000856	53	303	0	4.1
## 296	2000618	36	405	2	3.2
## 297	2000980	254	262	5	5.1
## 298	2000419	50	178	5	6.3
## 299	2000108	236	189	0	2.0
## 300	2000131	36	371	3	2.0
## 301	2000372	163	405	2	2.5
## 302	2000369	117	219	1	6.5
## 303	2000973	110	152	3	8.6
## 304	2000513	11	462	4	6.9
## 305	2000883	140	278	3	4.6
## 306	2000269	23	434	1	4.7
## 307	2000681	299	2	5	5.4
## 308	2000784	135	247	1	7.2
## 309	2000666	110	362	1	9.3
## 310	2000703	232	323	3	6.2
## 311	2000007	300	177	4	2.0
## 312	2000496	335	492	2	6.3
## 313	2000427	340	159	4	8.4
## 314	2000289	192	63	3	5.5
## 315	2000587	314	150	2	6.8
## 316	2000507	154	391	0	7.9
## 317	2000836	118	9	3	5.1
## 318	2000972	92	88	3	4.5
## 319	2000370	35	339	5	1.2
## 320	2000140	112	31	5	7.4
## 321	2000376	48	265	3	9.6
## 322	2000327	36	390	4	2.2
## 323	2000148	164	15	4	1.5
## 324	2000113	174	294	4	5.4
## 325	2000796	205	394	4	7.3
## 326	2000199	337	88	3	2.8
## 327	2000729	328	463	0	3.3
## 328	2000935	106	373	1	5.4
## 329	2000297	19	273	5	5.9
## 330	2000556	309	67	4	9.2
## 331	2000817	294	77	3	7.3
## 332	2000600	346	498	0	8.2
## 333	2000022	162	70	1	5.0

## 334	2000250	226	304	1	2.7
## 335	2000635	129	435	3	5.7
## 336	2000821	157	327	3	6.4
## 337	2000990	59	164	5	5.3
## 338	2000029	84	488	0	9.1
## 339	2000044	316	308	4	2.3
## 340	2000502	293	364	4	7.2
## 341	2000104	108	375	3	5.4
## 342	2000785	229	252	1	3.2
## 343	2000783	3	469	4	9.9
## 344	2000634	97	54	2	5.2
## 345	2000557	70	395	0	6.4
## 346	2000264	203	201	3	7.4
## 347	2000407	132	473	5	4.3
## 348	2000172	293	288	3	5.9
## 349	2000654	103	308	1	7.3
## 350	2000039	178	183	1	0.9
## 351	2000323	306	277	5	6.4
## 352	2000989	137	283	4	5.1
## 353	2000575	272	32	1	7.4
## 354	2000285	274	498	3	6.4
## 355	2000913	128	252	2	1.9
## 356	2000135	310	225	0	5.7
## 357	2000184	128	375	3	9.4
## 358	2000006	221	202	0	7.5
## 359	2000831	73	423	4	2.6
## 360	2000092	33	112	3	4.7
## 361	2000841	212	429	5	5.2
## 362	2000776	125	97	5	1.8
## 363	2000873	93	140	4	6.6
## 364	2000181	298	75	1	8.8
## 365	2000381	254	331	4	3.0
## 366	2000794	19	106	1	7.5
## 367	2000656	266	43	5	8.8
## 368	2000141	338	368	3	0.3
## 369	2000354	163	62	1	3.7
## 370	2000309	118	125	5	0.4
## 371	2000588	60	147	2	7.1
## 372	2000811	43	356	2	2.9
## 373	2000290	175	493	1	8.8
## 374	2000089	225	114	4	4.1
## 375	2000772	55	329	3	0.3
## 376	2000306	112	3	5	5.4
## 377	2000834	50	173	2	8.5
## 378	2000200	33	498	1	1.1
## 379	2000538	215	309	2	5.4
## 380	2000852	126	74	3	9.8
## 381	2000835	180	408	5	6.4
## 382	2000322	292	495	4	6.2
## 383	2000484	20	26	5	3.6
## 384	2000187	280	364	2	3.7
## 385	2000492	130	154	5	8.8
## 386	2000267	22	36	0	8.5
## 387	2000657	31	353	0	3.5

## 388	2000254	23	312	2	1.8
## 389	2000992	209	426	3	3.6
## 390	2000915	273	14	2	9.1
## 391	2000255	152	376	4	2.3
## 392	2000225	214	201	0	1.0
## 393	2000930	35	48	2	8.3
## 394	2000128	347	142	1	5.4
## 395	2000341	65	174	5	10.0
## 396	2000982	163	478	2	2.0
## 397	2000792	165	365	4	2.1
## 398	2000907	220	353	0	0.4
## 399	2000344	322	177	3	6.3
## 400	2000790	308	276	5	8.9
## 401	2000130	83	111	0	8.6
## 402	2000687	162	406	1	4.1
## 403	2000371	348	448	4	4.2
## 404	2000048	326	297	0	0.3
## 405	2000038	72	141	1	7.6
## 406	2000904	149	328	3	3.9
## 407	2000328	210	467	3	9.4
## 408	2000389	100	266	1	4.9
## 409	2000901	52	40	0	9.7
## 410	2000307	272	401	1	6.2
## 411	2000245	134	428	3	4.3
## 412	2000577	248	428	2	1.5
## 413	2000627	17	165	0	1.9
## 414	2000740	129	138	1	6.7
## 415	2000551	188	480	4	9.9
## 416	2000955	256	401	4	7.9
## 417	2000336	72	83	3	8.6
## 418	2000668	339	407	1	4.7
## 419	2000313	46	242	0	1.5
## 420	2000085	286	213	2	7.1
## 421	2000074	47	113	2	7.0
## 422	2000987	332	485	4	3.0
## 423	2000530	227	21	2	3.6
## 424	2000978	33	68	0	3.2
## 425	2000752	112	18	2	5.5
## 426	2000644	73	82	5	2.0
## 427	2000149	317	428	5	7.0
## 428	2000534	141	109	3	4.0
## 429	2000466	178	377	4	2.4
## 430	2000077	277	143	0	1.8
## 431	2000966	342	307	3	9.7
## 432	2000712	63	436	3	6.9
## 433	2000335	141	445	0	8.4
## 434	2000160	61	140	0	3.0
## 435	2000480	294	149	0	6.1
## 436	2000920	207	69	3	4.7
## 437	2000368	215	310	3	1.5
## 438	2000325	155	353	4	1.1
## 439	2000586	305	2	5	4.1
## 440	2000465	289	120	0	6.7
## 441	2000284	342	55	1	1.3

## 442	2000052	200	215	5	8.3
## 443	2000017	42	416	4	6.0
## 444	2000975	89	121	5	6.7
## 445	2000420	158	42	1	6.3
## 446	2000310	132	357	2	9.9
## 447	2000757	124	197	2	9.4
## 448	2000315	29	444	1	3.3
## 449	2000933	170	233	4	2.3
## 450	2000069	47	486	5	6.1
## 451	2000684	197	494	4	6.6
## 452	2000768	6	325	2	5.8
## 453	2000159	197	294	0	2.2
## 454	2000042	89	205	3	2.6
## 455	2000818	90	104	0	4.9
## 456	2000880	13	365	1	7.3
## 457	2000845	175	145	0	6.4
## 458	2000045	207	33	0	6.0
## 459	2000970	35	455	0	4.5
## 460	2000803	103	185	0	5.1
## 461	2000746	23	135	4	4.0
## 462	2000116	293	120	5	8.0
## 463	2000237	333	406	0	4.8
## 464	2000798	87	73	5	2.2
## 465	2000726	33	169	5	4.9
## 466	2000097	265	343	3	9.3
## 467	2000569	133	401	4	5.7
## 468	2000421	178	443	3	5.4
## 469	2000018	175	406	5	8.7
## 470	2000311	109	199	2	3.6
## 471	2000478	4	172	2	8.5
## 472	2000983	298	404	1	8.0
## 473	2000364	261	95	4	8.9
## 474	2000366	289	209	3	8.4
## 475	2000697	173	70	3	1.0
## 476	2000580	198	270	0	5.9
## 477	2000005	151	333	3	1.9
## 478	2000732	116	266	3	5.1
## 479	2000969	234	59	3	7.9
## 480	2000771	28	318	4	5.8
## 481	2000623	30	274	0	2.7
## 482	2000291	232	235	5	6.1
## 483	2000728	22	340	5	7.0
## 484	2000387	14	249	0	3.8
## 485	2000692	217	448	2	7.1
## 486	2000188	67	90	0	6.0
## 487	2000234	155	197	5	2.3
## 488	2000463	320	301	2	4.5
## 489	2000714	206	424	2	6.0
## 490	2000603	122	119	5	4.4
## 491	2000532	69	32	0	8.4
## 492	2000268	338	468	2	9.1
## 493	2000806	316	191	0	4.1
## 494	2000672	180	404	1	6.1
## 495	2000276	127	191	2	5.8

## 496	2000105	271	331	0	6.4
## 497	2000756	253	114	1	5.5
## 498	2000202	282	178	5	9.7
## 499	2000238	150	106	4	6.2
## 500	2000332	253	291	0	3.1
## 501	2000432	105	201	0	5.1
## 502	2000505	226	394	2	1.1
## 503	2000693	345	359	2	7.1
## 504	2000848	270	500	0	1.9
## 505	2000174	162	466	1	1.7
## 506	2000548	14	406	3	7.6
## 507	2000596	29	407	0	8.1
## 508	2000993	41	99	4	2.7
## 509	2000491	237	342	2	1.9
## 510	2000833	176	418	0	9.4
## 511	2000362	193	187	0	0.0
## 512	2000562	240	151	2	6.2
## 513	2000151	348	143	1	2.0
## 514	2000825	195	384	4	9.2
## 515	2000652	280	88	2	2.9
## 516	2000774	350	357	4	5.6
## 517	2000671	38	46	0	2.7
## 518	2000576	220	84	1	8.2
## 519	2000965	172	95	1	1.0
## 520	2000984	101	320	5	2.4
## 521	2000571	214	386	1	1.4
## 522	2000597	317	90	4	3.8
## 523	2000320	239	207	0	3.0
## 524	2000036	135	48	1	9.0
## 525	2000882	98	66	4	0.0
## 526	2000120	155	404	1	7.3
## 527	2000474	291	257	3	2.2
## 528	2000147	334	186	3	3.1
## 529	2000395	70	183	3	5.4
## 530	2000024	120	198	0	9.1
## 531	2000870	46	111	0	6.5
## 532	2000121	178	129	0	6.1
## 533	2000611	312	15	0	1.5
## 534	2000977	315	319	5	7.4
## 535	2000191	222	331	2	8.6
## 536	2000458	89	421	4	5.5
## 537	2000468	70	98	5	7.4
## 538	2000753	282	441	4	5.2
## 539	2000592	317	2	4	7.0
## 540	2000047	217	424	5	3.0
## 541	2000068	127	498	2	5.0
## 542	2000142	91	259	5	4.2
## 543	2000547	112	258	2	1.5
## 544	2000386	328	495	4	4.2
## 545	2000163	178	343	3	3.3
## 546	2000793	213	92	5	9.8
## 547	2000175	102	187	1	8.3
## 548	2000865	181	59	0	6.1
## 549	2000664	273	365	1	8.1

## 550	2000951	207	364	5	0.1
## 551	2000853	251	221	3	5.8
## 552	2000446	331	112	0	1.5
## 553	2000731	182	411	5	7.4
## 554	2000704	28	396	5	3.3
## 555	2000271	263	290	0	8.2
## 556	2000721	267	401	5	6.5
## 557	2000738	284	292	5	8.3
## 558	2000114	95	378	0	8.6
## 559	2000868	119	427	1	2.0
## 560	2000591	89	88	1	4.7
## 561	2000890	242	235	2	9.6
## 562	2000280	303	241	3	3.8
## 563	2000678	218	186	3	2.3
## 564	2000221	72	191	5	0.2
## 565	2000996	128	458	0	9.6
## 566	2000215	119	255	4	5.0
## 567	2000535	174	342	1	1.6
## 568	2000944	61	382	4	1.0
## 569	2000348	125	469	2	9.0
## 570	2000994	97	267	1	4.8
## 571	2000305	276	20	3	8.9
## 572	2000448	328	202	1	9.8
## 573	2000988	239	281	3	6.4
## 574	2000578	163	326	5	4.1
## 575	2000192	9	161	1	5.1
## 576	2000054	200	164	1	8.0
## 577	2000110	24	340	0	3.9
## 578	2000155	94	234	0	3.3
## 579	2000118	247	315	3	2.5
## 580	2000442	188	8	4	6.8
## 581	2000605	114	238	2	0.9
## 582	2000359	90	283	0	4.8
## 583	2000741	81	289	0	9.2
## 584	2000190	292	229	5	4.4
## 585	2000153	148	306	0	9.5
## 586	2000961	202	399	2	10.0
## 587	2000027	259	52	3	3.2
## 588	2000887	318	52	3	1.0
## 589	2000100	311	108	4	5.9
## 590	2000288	179	329	3	8.6
## 591	2000766	99	28	0	7.4
## 592	2000631	161	482	0	0.1
## 593	2000769	144	166	0	0.8
## 594	2000169	170	152	3	8.1
## 595	2000510	264	432	5	1.4
## 596	2000167	14	263	5	6.2
## 597	2000546	146	117	1	5.7
## 598	2000103	188	438	0	2.9
## 599	2000554	197	174	0	0.5
## 600	2000609	236	172	2	3.5
## 601	2000312	64	40	1	8.1
## 602	2000533	336	233	3	2.0
## 603	2000286	229	76	5	6.4

## 604	2000824	120	372	1	1.7
## 605	2000055	326	39	0	9.9
## 606	2000564	346	282	0	2.0
## 607	2000023	10	473	5	1.6
## 608	2000667	233	227	3	4.9
## 609	2000585	128	96	1	0.0
## 610	2000911	306	136	0	3.9
## 611	2000183	2	378	4	4.8
## 612	2000331	335	200	1	2.9
## 613	2000968	69	22	1	8.9
## 614	2000846	48	224	2	0.6
## 615	2000558	312	249	0	2.6
## 616	2000683	170	270	2	8.8
## 617	2000504	135	160	0	5.8
## 618	2000256	238	197	4	8.0
## 619	2000621	171	44	5	4.4
## 620	2000204	26	355	4	2.3
## 621	2000679	40	244	5	9.4
## 622	2000727	319	69	5	7.7
## 623	2000222	307	311	3	2.2
## 624	2000403	136	456	3	6.2
## 625	2000379	263	102	3	1.4
## 626	2000270	37	117	3	7.9
## 627	2000689	228	488	4	2.3
## 628	2000549	45	257	5	7.0
## 629	2000782	278	32	0	5.4
## 630	2000864	256	475	4	2.9
## 631	2000358	32	116	4	1.9
## 632	2000566	239	237	0	3.7
## 633	2000877	7	111	1	3.3
## 634	2000406	198	390	3	9.5
## 635	2000058	107	350	2	4.6
## 636	2000648	331	138	4	5.9
## 637	2000218	291	440	1	6.7
## 638	2001000	116	427	4	5.0
## 639	2000185	18	205	0	5.6
## 640	2000244	208	422	0	5.9
## 641	2000950	269	161	5	1.2
## 642	2000762	19	477	0	4.1
## 643	2000228	210	162	1	9.0
## 644	2000842	253	93	5	6.7
## 645	2000197	206	461	3	5.5
## 646	2000002	68	231	4	7.6
## 647	2000394	273	222	1	7.9
## 648	2000503	341	330	3	2.3
## 649	2000009	5	209	2	8.8
## 650	2000032	111	257	2	7.4
## 651	2000193	300	29	5	2.8
## 652	2000810	157	288	3	6.4
## 653	2000749	189	65	1	4.7
## 654	2000717	303	414	4	4.8
## 655	2000742	139	421	3	0.8
## 656	2000476	327	453	1	5.3
## 657	2000171	281	260	1	5.6

## 658	2000734	8	443	4	6.9
## 659	2000079	304	317	5	6.2
## 660	2000997	217	227	5	7.6
## 661	2000849	35	112	2	7.8
## 662	2000417	70	460	4	6.7
## 663	2000324	45	184	0	0.2
## 664	2000162	180	308	2	0.7
## 665	2000593	281	19	3	3.7
## 666	2000087	49	166	2	1.0
## 667	2000150	145	348	0	6.8
## 668	2000542	244	211	5	3.9
## 669	2000014	265	39	2	4.0
## 670	2000561	166	404	4	4.3
## 671	2000527	241	183	0	1.4
## 672	2000124	81	489	0	5.7
## 673	2000010	31	306	1	3.6
## 674	2000744	234	298	3	8.3
## 675	2000198	219	259	0	6.8
## 676	2000570	309	214	5	3.4
## 677	2000080	298	64	0	3.0
## 678	2000851	217	265	0	7.0
## 679	2000260	271	333	1	5.5
## 680	2000220	112	271	0	0.2
## 681	2000521	198	468	2	6.0
## 682	2000454	134	110	4	0.2
## 683	2000974	32	400	0	5.4
## 684	2000107	148	156	2	7.2
## 685	2000186	168	287	2	0.3
## 686	2000601	336	259	1	1.9
## 687	2000453	321	314	0	7.8
## 688	2000827	17	294	4	9.1
## 689	2000516	289	479	0	4.0
## 690	2000615	126	118	1	8.4
## 691	2000979	290	181	5	0.9
## 692	2000958	344	54	2	6.2
## 693	2000686	47	225	5	4.5
## 694	2000231	162	409	2	2.4
## 695	2000196	94	480	3	3.7
## 696	2000233	208	207	3	3.0
## 697	2000262	323	490	1	4.2
## 698	2000001	211	25	4	4.1
## 699	2000885	19	226	4	5.1
## 700	2000330	1	452	4	4.2
## 701	2000743	330	84	5	0.0
## 702	2000962	339	181	2	8.9
## 703	2000675	39	190	3	5.3
## 704	2000180	251	80	3	3.1
## 705	2000479	139	68	3	3.1
## 706	2000650	90	291	4	4.9
## 707	2000745	54	355	3	9.4
## 708	2000343	228	426	1	3.4
## 709	2000041	285	403	4	5.3
## 710	2000413	318	500	1	6.4
## 711	2000773	167	228	3	8.6

## 712	2000119	309	91	5	6.4
## 713	2000947	285	62	1	9.1
## 714	2000035	206	272	0	9.9
## 715	2000115	152	437	2	0.5
## 716	2000922	134	121	3	1.8
## 717	2000573	194	84	1	5.9
## 718	2000422	159	347	4	0.0
## 719	2000469	87	185	5	3.8
## 720	2000891	139	163	4	4.6
## 721	2000165	10	379	0	10.0
## 722	2000755	111	360	3	0.4
## 723	2000279	195	174	2	6.9
## 724	2000134	333	307	5	4.9
## 725	2000875	294	139	0	5.7
## 726	2000779	317	165	3	3.7
## 727	2000436	329	451	5	0.3
## 728	2000363	45	140	5	7.1
## 729	2000412	115	245	2	9.3
## 730	2000326	329	434	3	3.1
## 731	2000136	112	229	4	9.4
## 732	2000559	347	37	3	8.3
## 733	2000434	306	96	0	1.5
## 734	2000690	148	96	3	4.9
## 735	2000582	294	431	3	7.2
## 736	2000805	10	351	5	0.5
## 737	2000894	151	227	2	4.7
## 738	2000179	100	367	1	6.0
## 739	2000673	342	461	5	6.7
## 740	2000565	117	34	0	2.5
## 741	2000146	154	20	4	7.0
## 742	2000658	187	29	1	4.7
## 743	2000804	229	40	2	6.5
## 744	2000102	189	324	5	4.4
## 745	2000263	7	498	2	4.2
## 746	2000217	107	419	4	5.0
## 747	2000862	297	163	3	0.2
## 748	2000166	254	301	2	7.4
## 749	2000061	28	352	0	2.2
## 750	2000416	285	271	4	5.6
## 751	2000722	25	448	3	8.3
## 752	2000452	30	300	2	1.2
## 753	2000960	175	46	5	8.4
## 754	2000857	31	226	3	2.1
## 755	2000106	309	203	5	0.1
## 756	2000912	261	106	4	9.5
## 757	2000433	266	380	0	3.7
## 758	2000034	25	181	5	7.8
## 759	2000176	166	429	2	0.9
## 760	2000355	8	113	1	4.4
## 761	2000471	36	431	1	1.6
## 762	2000431	155	410	1	1.8
## 763	2000258	348	467	3	8.9
## 764	2000098	203	481	1	9.6
## 765	2000470	144	2	3	2.8

## 766	2000213	342	326	4	6.8
## 767	2000056	218	216	3	7.2
## 768	2000398	54	436	0	5.6
## 769	2000691	329	357	0	6.7
## 770	2000778	21	47	4	7.5
## 771	2000122	48	465	4	7.0
## 772	2000813	296	170	0	3.3
## 773	2000449	221	212	4	2.8
## 774	2000261	121	333	5	6.3
## 775	2000062	337	35	3	4.2
## 776	2000895	347	187	5	0.7
## 777	2000428	256	397	4	8.2
## 778	2000838	269	197	3	7.5
## 779	2000161	130	448	5	6.4
## 780	2000093	133	255	4	5.1
## 781	2000111	26	170	1	4.4
## 782	2000730	305	31	0	3.1
## 783	2000243	235	484	2	1.8
## 784	2000610	123	245	5	5.2
## 785	2000706	210	153	2	1.5
## 786	2000651	96	217	0	2.5
## 787	2000203	267	51	2	2.6
## 788	2000579	251	431	1	7.6
## 789	2000867	5	234	5	2.4
## 790	2000893	145	141	1	7.0
## 791	2000365	150	34	2	4.4
## 792	2000246	42	108	4	2.8
## 793	2000020	9	23	0	3.4
## 794	2000351	294	334	0	6.1
## 795	2000383	170	137	3	0.1
## 796	2000352	145	353	1	3.4
## 797	2000447	158	6	2	6.5
## 798	2000482	27	65	4	1.9
## 799	2000723	331	200	1	5.9
## 800	2000802	310	213	0	1.5
## 801	2000030	176	224	1	0.9
## 802	2000206	106	254	0	1.5
## 803	2000976	45	492	2	4.3
## 804	2000934	342	145	0	4.5
## 805	2000519	60	404	5	0.4
## 806	2000301	109	241	5	6.5
## 807	2000917	170	93	5	8.1
## 808	2000669	279	84	1	7.0
## 809	2000567	33	41	0	5.1
## 810	2000084	193	43	0	2.1
## 811	2000450	10	206	4	9.8
## 812	2000632	140	347	5	7.6
## 813	2000281	144	395	5	6.2
## 814	2000409	122	31	5	2.2
## 815	2000064	205	248	3	5.8
## 816	2000954	218	108	0	8.8
## 817	2000522	297	26	4	2.2
## 818	2000247	141	26	4	9.8
## 819	2000897	142	350	1	4.3

## 820	2000820	67	200	0	6.4
## 821	2000952	25	117	5	3.1
## 822	2000026	83	188	4	4.6
## 823	2000886	25	327	0	3.4
## 824	2000347	245	102	0	3.3
## 825	2000400	167	395	3	0.2
## 826	2000334	216	69	5	2.5
## 827	2000043	115	211	4	9.9
## 828	2000287	21	204	3	2.5
## 829	2000375	335	292	3	2.5
## 830	2000552	173	178	0	1.3
## 831	2000329	323	442	4	2.7
## 832	2000892	266	322	4	3.8
## 833	2000408	152	391	2	8.2
## 834	2000418	59	404	1	9.7
## 835	2000209	225	449	1	4.8
## 836	2000606	306	457	4	5.9
## 837	2000646	112	420	0	8.1
## 838	2000249	65	340	1	7.3
## 839	2000733	211	19	3	7.1
## 840	2000086	107	5	2	7.0
## 841	2000599	160	485	0	6.5
## 842	2000872	340	350	3	9.4
## 843	2000139	140	94	0	5.3
## 844	2000707	350	230	0	1.8
## 845	2000770	294	140	5	2.8
## 846	2000053	205	64	5	0.7
## 847	2000472	14	250	5	7.5
## 848	2000424	343	303	0	5.0
## 849	2000884	88	107	0	8.6
## 850	2000524	216	369	2	0.8
## 851	2000390	145	53	1	1.2
## 852	2000143	44	71	1	6.1
## 853	2000117	180	460	3	7.2
## 854	2000224	255	195	4	8.7
## 855	2000317	85	154	5	4.9
## 856	2000801	225	207	0	2.2
## 857	2000189	350	56	2	5.8
## 858	2000925	298	157	4	1.1
## 859	2000759	38	423	5	1.3
## 860	2000545	54	103	0	7.6
## 861	2000927	18	136	5	7.5
## 862	2000688	238	106	3	7.8
## 863	2000640	22	155	2	5.7
## 864	2000509	5	476	2	7.4
## 865	2000767	84	496	5	1.8
## 866	2000881	2	187	0	7.5
## 867	2000995	93	389	4	1.1
## 868	2000539	131	95	0	4.3
## 869	2000633	244	19	2	5.3
## 870	2000850	146	316	3	0.9
## 871	2000236	284	398	1	2.7
## 872	2000866	206	73	3	0.1
## 873	2000494	327	339	1	2.6

## 874	2000021	273	273	4	1.5
## 875	2000629	296	258	1	8.6
## 876	2000840	300	168	2	3.8
## 877	2000437	303	408	3	4.1
## 878	2000626	64	301	5	0.7
## 879	2000337	299	96	3	4.9
## 880	2000986	232	296	3	0.1
## 881	2000277	39	275	4	5.4
## 882	2000382	184	76	3	0.5
## 883	2000616	245	123	1	0.2
## 884	2000929	155	143	3	5.6
## 885	2000763	115	153	4	6.6
## 886	2000257	320	183	0	4.8
## 887	2000388	28	200	2	5.8
## 888	2000595	304	21	0	3.8
## 889	2000938	221	329	0	8.3
## 890	2000013	90	279	4	8.8
## 891	2000425	130	236	0	1.7
## 892	2000788	108	309	4	10.0
## 893	2000008	160	154	2	3.8
## 894	2000694	38	174	5	4.9
## 895	2000278	37	44	0	4.0
## 896	2000748	81	278	2	1.9
## 897	2000981	22	226	1	1.2
## 898	2000075	146	63	0	9.9
## 899	2000273	331	437	0	9.0
## 900	2000660	60	32	1	6.7
## 901	2000498	305	340	5	5.7
## 902	2000214	143	484	5	3.7
## 903	2000321	86	443	1	4.7
## 904	2000485	74	300	0	0.3
## 905	2000607	208	117	5	3.3
## 906	2000939	107	65	4	7.6
## 907	2000475	274	472	3	4.3
## 908	2000630	144	314	0	4.9
## 909	2000754	240	474	0	9.3
## 910	2000487	187	235	4	7.6
## 911	2000506	114	136	2	1.5
## 912	2000529	59	12	4	4.9
## 913	2000137	81	496	4	2.9
## 914	2000308	133	133	4	6.9
## 915	2000129	189	167	5	3.7
## 916	2000456	299	192	0	1.4
## 917	2000462	96	89	5	1.5
## 918	2000076	158	90	2	8.6
## 919	2000445	171	149	0	2.1
## 920	2000295	236	373	1	0.9
## 921	2000953	241	297	5	8.3
## 922	2000090	314	397	0	0.4
## 923	2000050	53	294	5	3.5
## 924	2000490	66	335	1	0.8
## 925	2000441	166	207	5	6.6
## 926	2000677	73	85	1	6.9
## 927	2000078	282	300	2	3.4

## 928	2000528	121	423	5	3.2
## 929	2000091	324	146	0	5.4
## 930	2000543	226	413	0	7.4
## 931	2000963	213	197	4	1.7
## 932	2000333	218	257	2	0.4
## 933	2000568	117	406	0	8.4
## 934	2000253	323	456	0	0.5
## 935	2000614	231	296	5	8.1
## 936	2000070	84	293	2	0.3
## 937	2000339	324	395	0	5.5
## 938	2000518	330	120	0	9.1
## 939	2000065	161	202	0	6.8
## 940	2000211	172	367	5	8.4
## 941	2000177	150	40	5	9.2
## 942	2000735	249	261	2	0.2
## 943	2000906	305	309	0	2.4
## 944	2000639	141	51	3	0.2
## 945	2000914	232	49	4	5.2
## 946	2000653	128	335	5	9.7
## 947	2000858	292	370	1	1.7
## 948	2000563	318	357	5	1.9
## 949	2000555	327	442	2	6.2
## 950	2000101	281	146	0	8.5
## 951	2000791	212	78	1	3.4
## 952	2000168	67	91	1	4.6
## 953	2000676	304	387	4	0.9
## 954	2000758	156	148	3	1.4
## 955	2000239	290	303	1	9.9
## 956	2000459	258	495	3	4.8
## 957	2000248	264	280	0	2.8
## 958	2000235	98	315	5	4.0
## 959	2000073	60	430	2	9.6
## 960	2000943	137	60	5	9.9
## 961	2000574	147	428	5	4.3
## 962	2000300	249	485	5	9.9
## 963	2000316	278	267	1	3.5
## 964	2000397	46	125	2	0.0
## 965	2000525	286	38	5	0.4
## 966	2000598	56	284	3	8.1
## 967	2000156	284	53	4	7.1
## 968	2000314	194	22	0	4.7
## 969	2000378	216	435	1	0.9
## 970	2000550	167	184	4	9.9
## 971	2000360	306	79	1	9.2
## 972	2000928	274	284	0	1.1
## 973	2000299	141	386	2	5.1
## 974	2000208	323	332	4	3.6
## 975	2000797	54	31	3	9.6
## 976	2000736	133	414	5	4.1
## 977	2000252	206	394	3	2.7
## 978	2000066	289	455	5	9.6
## 979	2000964	295	143	2	8.5
## 980	2000414	226	178	2	5.6
## 981	2000501	283	464	1	7.5

## 982	2000764	7	231	2	6.5
## 983	2000158	36	416	3	5.4
## 984	2000844	131	289	5	6.5
## 985	2000219	209	307	3	9.0
## 986	2000016	236	403	1	8.2
## 987	2000440	158	279	1	2.9
## 988	2000645	305	477	3	9.6
## 989	2000641	210	32	0	2.4
## 990	2000540	301	47	4	7.3
## 991	2000125	23	143	0	5.3
## 992	2000909	223	282	5	9.3
## 993	2000318	308	68	5	9.6
## 994	2000711	248	269	2	8.4
## 995	2000464	95	469	0	9.8
## 996	2000154	2	19	0	7.3
## 997	2000377	163	497	4	1.4
## 998	2000304	167	210	3	7.2
## 999	2000380	208	430	4	3.4
## 1000	2000637	260	490	1	9.0
##	Research.Interest	Maths.Score	English.Score	CS.Score	TOEFL.Score2
## 1	0	134	330	344	78.4
## 2	1	23	5	301	328.3
## 3	1	48	318	128	57.4
## 4	1	71	327	266	151.2
## 5	0	104	19	245	65.1
## 6	1	281	247	306	336.7
## 7	0	58	333	105	55.3
## 8	1	271	247	49	158.9
## 9	1	192	241	197	25.2
## 10	0	7	189	34	173.6
## 11	0	40	309	341	109.2
## 12	1	107	11	242	280.7
## 13	0	23	172	122	301.7
## 14	0	185	146	245	40.6
## 15	0	106	333	18	91.0
## 16	1	183	278	242	158.2
## 17	0	225	28	265	13.3
## 18	1	152	92	19	71.4
## 19	0	111	68	170	349.3
## 20	1	239	348	104	65.1
## 21	1	188	170	315	153.3
## 22	0	156	2	51	308.7
## 23	1	4	234	20	121.1
## 24	0	258	82	201	173.6
## 25	0	93	176	85	74.2
## 26	0	3	225	32	345.1
## 27	0	28	38	241	266.7
## 28	0	131	64	188	85.4
## 29	0	295	242	103	109.2
## 30	0	130	102	333	58.1
## 31	0	301	153	65	306.6
## 32	0	318	212	250	256.2
## 33	0	112	310	87	64.4
## 34	1	136	255	343	259.7

## 35	1	273	309	324	240.1
## 36	0	47	199	105	263.9
## 37	0	248	154	212	165.9
## 38	0	205	242	54	177.1
## 39	0	11	66	273	196.0
## 40	1	264	32	151	277.9
## 41	0	1	9	73	56.0
## 42	0	125	148	326	270.9
## 43	0	18	236	96	249.9
## 44	0	203	7	229	97.3
## 45	0	262	63	279	212.1
## 46	1	274	61	331	6.3
## 47	1	295	92	263	304.5
## 48	1	295	184	278	210.7
## 49	1	299	184	147	133.7
## 50	0	317	9	133	14.7
## 51	0	306	140	248	160.3
## 52	1	315	281	153	95.2
## 53	1	95	93	107	132.3
## 54	1	202	217	131	217.7
## 55	0	274	230	113	317.1
## 56	0	81	136	228	69.3
## 57	0	273	271	164	58.1
## 58	1	87	52	166	28.0
## 59	1	247	274	325	165.9
## 60	1	196	158	289	139.3
## 61	1	348	261	88	25.9
## 62	0	241	15	22	158.9
## 63	0	248	282	98	309.4
## 64	1	274	16	332	312.2
## 65	1	58	86	215	236.6
## 66	0	169	333	173	166.6
## 67	0	111	244	327	269.5
## 68	0	211	220	188	38.5
## 69	0	315	249	139	30.8
## 70	1	330	189	276	266.0
## 71	1	267	339	237	103.6
## 72	1	32	147	336	327.6
## 73	1	149	11	246	165.9
## 74	0	326	119	0	93.1
## 75	0	182	38	71	63.7
## 76	1	344	55	56	205.1
## 77	0	238	45	190	28.0
## 78	0	296	262	237	151.9
## 79	0	207	104	214	241.5
## 80	0	197	295	109	211.4
## 81	1	195	56	343	90.3
## 82	0	172	160	21	186.9
## 83	1	295	251	67	172.2
## 84	1	70	89	60	214.9
## 85	1	39	349	11	74.2
## 86	1	189	101	91	35.0
## 87	1	334	235	288	138.6
## 88	0	339	175	164	24.5

## 89	0	347	46	242	280.7
## 90	0	200	237	340	239.4
## 91	1	193	333	41	315.7
## 92	1	187	176	41	170.1
## 93	0	224	263	48	86.1
## 94	0	341	7	241	172.2
## 95	1	215	10	45	308.7
## 96	0	50	235	321	326.2
## 97	0	27	240	216	13.3
## 98	0	228	97	295	170.1
## 99	1	200	15	20	186.2
## 100	1	337	155	179	14.0
## 101	1	123	41	242	262.5
## 102	1	195	314	321	119.7
## 103	0	115	198	251	73.5
## 104	0	163	311	88	221.2
## 105	1	341	173	186	36.4
## 106	0	59	9	64	294.7
## 107	1	99	284	336	14.7
## 108	0	125	216	190	141.4
## 109	0	123	43	131	60.2
## 110	1	238	216	151	23.1
## 111	0	80	232	139	266.7
## 112	0	125	346	86	279.3
## 113	0	293	38	175	169.4
## 114	0	286	247	334	132.3
## 115	0	2	331	77	322.7
## 116	1	122	126	214	72.8
## 117	0	24	42	272	233.8
## 118	1	108	250	13	46.2
## 119	0	248	287	3	305.9
## 120	0	172	282	104	175.7
## 121	0	66	326	125	261.8
## 122	1	27	276	23	273.7
## 123	0	226	345	136	61.6
## 124	0	338	76	54	240.8
## 125	1	182	215	229	335.3
## 126	0	10	288	245	227.5
## 127	0	346	8	307	74.2
## 128	1	291	70	137	319.2
## 129	0	211	149	66	149.1
## 130	0	206	169	224	38.5
## 131	1	247	97	213	191.8
## 132	1	302	93	276	295.4
## 133	0	211	238	98	106.4
## 134	1	327	60	26	51.8
## 135	0	59	273	322	314.3
## 136	1	45	177	59	228.9
## 137	1	229	169	232	303.8
## 138	0	316	321	219	67.9
## 139	0	303	51	99	342.3
## 140	1	250	329	96	161.0
## 141	0	209	215	282	196.0
## 142	1	89	319	161	232.4

## 143	1	2	307	84	184.8
## 144	0	18	12	299	305.9
## 145	1	24	296	83	195.3
## 146	0	181	45	121	103.6
## 147	0	207	181	220	93.8
## 148	0	36	142	257	174.3
## 149	1	321	45	279	107.8
## 150	0	296	336	141	75.6
## 151	0	31	3	302	92.4
## 152	0	240	317	261	279.3
## 153	1	143	59	177	79.8
## 154	1	167	57	188	160.3
## 155	0	345	266	218	298.2
## 156	0	234	162	151	345.8
## 157	0	222	13	277	115.5
## 158	0	95	77	1	307.3
## 159	0	301	100	246	282.8
## 160	0	123	41	322	304.5
## 161	1	316	91	176	116.9
## 162	1	200	297	158	228.2
## 163	1	87	83	62	203.0
## 164	0	206	316	149	62.3
## 165	1	71	143	8	16.1
## 166	0	349	193	87	69.3
## 167	0	62	160	338	233.1
## 168	0	148	45	30	282.1
## 169	1	36	305	264	151.2
## 170	0	161	313	14	121.8
## 171	1	157	19	293	229.6
## 172	1	132	108	87	132.3
## 173	1	100	333	272	98.0
## 174	1	186	294	66	343.7
## 175	0	282	14	76	273.7
## 176	0	146	40	69	193.9
## 177	0	125	7	303	166.6
## 178	0	222	235	326	279.3
## 179	0	297	89	163	235.9
## 180	0	204	101	307	335.3
## 181	0	339	112	251	172.9
## 182	1	350	107	53	281.4
## 183	1	304	224	200	260.4
## 184	0	150	213	287	269.5
## 185	0	91	75	307	0.7
## 186	0	59	57	182	50.4
## 187	1	14	205	276	39.9
## 188	0	211	234	282	133.7
## 189	1	144	9	31	166.6
## 190	1	206	280	251	150.5
## 191	1	264	50	224	77.0
## 192	1	125	298	201	282.8
## 193	0	142	10	111	240.8
## 194	0	126	91	96	15.4
## 195	0	56	7	139	303.8
## 196	1	109	296	74	47.6

## 197	1	282	151	330	42.7
## 198	0	265	214	105	8.4
## 199	1	151	202	42	287.0
## 200	1	13	278	61	64.4
## 201	1	89	108	124	202.3
## 202	1	259	347	146	115.5
## 203	0	82	26	113	343.0
## 204	0	81	92	328	321.3
## 205	0	194	350	2	170.1
## 206	1	137	189	172	238.7
## 207	1	77	56	308	29.4
## 208	0	98	18	73	271.6
## 209	0	70	121	25	29.4
## 210	0	226	136	153	34.3
## 211	0	258	109	35	303.8
## 212	1	258	64	311	169.4
## 213	0	308	101	13	247.8
## 214	0	11	287	200	261.8
## 215	0	59	251	47	310.8
## 216	1	76	260	141	32.2
## 217	1	231	80	173	225.4
## 218	1	18	177	176	151.9
## 219	1	177	169	275	309.4
## 220	1	30	10	110	207.2
## 221	0	66	23	296	331.1
## 222	1	94	279	140	301.7
## 223	0	282	153	327	14.7
## 224	0	129	253	265	126.0
## 225	0	30	159	39	170.1
## 226	1	169	92	164	225.4
## 227	0	87	242	137	176.4
## 228	0	2	95	82	311.5
## 229	1	288	307	241	62.3
## 230	0	207	189	212	130.9
## 231	1	292	99	112	254.8
## 232	0	10	185	20	45.5
## 233	0	68	159	67	235.9
## 234	0	248	16	17	133.7
## 235	1	348	73	81	92.4
## 236	0	240	273	108	106.4
## 237	0	105	126	142	285.6
## 238	0	50	52	306	340.9
## 239	0	107	35	139	285.6
## 240	1	344	253	148	98.0
## 241	0	130	49	68	60.9
## 242	1	305	235	309	123.2
## 243	1	111	35	1	326.9
## 244	1	0	162	119	260.4
## 245	0	77	116	54	278.6
## 246	0	268	109	214	316.4
## 247	1	168	10	120	234.5
## 248	0	294	139	41	54.6
## 249	0	132	22	196	345.1
## 250	1	153	298	232	322.0

## 251	1	6	134	324	150.5
## 252	1	288	109	293	317.8
## 253	0	74	231	204	191.1
## 254	0	27	299	103	9.8
## 255	0	239	334	144	2.8
## 256	0	139	339	32	73.5
## 257	1	326	191	184	88.2
## 258	1	221	313	134	16.8
## 259	1	147	153	119	95.9
## 260	1	285	117	72	38.5
## 261	1	302	91	168	161.0
## 262	1	275	34	342	172.2
## 263	1	112	111	198	215.6
## 264	1	198	47	171	96.6
## 265	0	76	35	94	46.9
## 266	0	295	163	208	252.7
## 267	1	296	173	69	157.5
## 268	1	43	204	269	149.8
## 269	1	209	336	332	193.9
## 270	1	221	327	265	296.1
## 271	1	87	105	58	69.3
## 272	0	21	18	317	18.9
## 273	1	249	308	273	226.1
## 274	1	122	293	234	312.9
## 275	1	45	345	339	259.0
## 276	1	271	161	248	42.0
## 277	1	28	225	89	163.1
## 278	0	43	128	196	248.5
## 279	1	312	156	300	154.0
## 280	1	103	58	118	338.8
## 281	1	209	83	31	70.0
## 282	1	100	315	190	250.6
## 283	0	121	292	190	67.9
## 284	1	44	107	330	198.1
## 285	1	263	228	113	113.4
## 286	0	171	2	177	276.5
## 287	0	284	96	105	59.5
## 288	1	38	69	290	210.0
## 289	0	322	202	200	58.8
## 290	0	312	131	98	85.4
## 291	0	62	292	341	154.7
## 292	0	284	102	186	180.6
## 293	0	169	177	150	196.0
## 294	0	134	305	142	99.4
## 295	0	248	136	87	212.1
## 296	0	183	271	45	283.5
## 297	1	5	273	83	183.4
## 298	0	291	127	94	124.6
## 299	1	304	309	319	132.3
## 300	1	91	127	89	259.7
## 301	1	157	220	206	283.5
## 302	1	315	72	47	153.3
## 303	0	222	32	65	106.4
## 304	1	252	211	256	323.4

## 305	1	180	124	185	194.6
## 306	1	256	92	182	303.8
## 307	0	206	297	197	1.4
## 308	1	189	253	110	172.9
## 309	1	290	18	128	253.4
## 310	0	270	265	14	226.1
## 311	1	44	337	318	123.9
## 312	1	336	162	330	344.4
## 313	1	140	117	97	111.3
## 314	1	308	59	1	44.1
## 315	0	75	42	258	105.0
## 316	0	223	174	257	273.7
## 317	1	289	224	342	6.3
## 318	1	88	54	91	61.6
## 319	1	305	111	186	237.3
## 320	1	268	49	58	21.7
## 321	0	199	32	220	185.5
## 322	0	25	214	111	273.0
## 323	0	293	125	289	10.5
## 324	1	235	179	291	205.8
## 325	1	321	291	87	275.8
## 326	1	186	19	234	61.6
## 327	1	258	279	240	324.1
## 328	1	266	129	185	261.1
## 329	0	44	21	190	191.1
## 330	0	253	30	254	46.9
## 331	1	281	22	341	53.9
## 332	1	114	208	266	348.6
## 333	1	36	272	19	49.0
## 334	0	254	151	201	212.8
## 335	1	224	213	280	304.5
## 336	0	261	34	325	228.9
## 337	1	95	346	160	114.8
## 338	0	140	64	163	341.6
## 339	0	127	162	339	215.6
## 340	1	340	164	233	254.8
## 341	0	118	219	314	262.5
## 342	1	111	321	7	176.4
## 343	0	349	307	237	328.3
## 344	1	160	82	282	37.8
## 345	0	138	161	288	276.5
## 346	1	221	347	228	140.7
## 347	1	209	325	305	331.1
## 348	0	300	71	51	201.6
## 349	0	343	148	51	215.6
## 350	0	129	209	107	128.1
## 351	0	288	99	328	193.9
## 352	1	47	51	27	198.1
## 353	0	37	271	165	22.4
## 354	1	174	133	151	348.6
## 355	1	327	247	262	176.4
## 356	1	239	16	116	157.5
## 357	1	98	128	173	262.5
## 358	1	344	187	171	141.4

## 359	0	306	255	39	296.1
## 360	0	90	71	232	78.4
## 361	0	307	338	75	300.3
## 362	0	325	45	38	67.9
## 363	0	244	285	281	98.0
## 364	0	64	46	226	52.5
## 365	1	243	331	95	231.7
## 366	0	146	226	135	74.2
## 367	1	193	32	199	30.1
## 368	0	88	111	21	257.6
## 369	0	130	72	223	43.4
## 370	1	220	316	248	87.5
## 371	1	38	140	269	102.9
## 372	0	318	177	159	249.2
## 373	0	213	276	196	345.1
## 374	1	335	341	43	79.8
## 375	1	21	62	243	230.3
## 376	1	312	140	68	2.1
## 377	0	84	60	310	121.1
## 378	1	73	293	101	348.6
## 379	0	144	206	116	216.3
## 380	0	7	214	256	51.8
## 381	1	17	154	31	285.6
## 382	0	25	304	115	346.5
## 383	1	230	288	236	18.2
## 384	0	183	341	110	254.8
## 385	1	148	199	349	107.8
## 386	1	21	41	137	25.2
## 387	0	76	88	204	247.1
## 388	0	164	157	160	218.4
## 389	0	292	131	161	298.2
## 390	0	334	123	92	9.8
## 391	0	159	28	230	263.2
## 392	1	84	169	221	140.7
## 393	0	316	46	329	33.6
## 394	1	319	196	208	99.4
## 395	1	324	5	256	121.8
## 396	0	38	196	28	334.6
## 397	1	283	88	287	255.5
## 398	1	51	89	64	247.1
## 399	0	149	12	259	123.9
## 400	0	16	174	316	193.2
## 401	0	45	206	226	77.7
## 402	0	292	34	111	284.2
## 403	0	93	350	183	313.6
## 404	0	309	102	307	207.9
## 405	1	211	22	18	98.7
## 406	0	303	292	165	229.6
## 407	0	314	332	347	326.9
## 408	0	68	86	210	186.2
## 409	1	27	32	38	28.0
## 410	1	275	264	182	280.7
## 411	1	81	132	305	299.6
## 412	1	158	177	297	299.6

## 413	1	41	174	258	115.5
## 414	0	250	108	213	96.6
## 415	0	152	3	63	336.0
## 416	0	215	297	264	280.7
## 417	0	44	260	332	58.1
## 418	0	125	288	270	284.9
## 419	0	120	172	109	169.4
## 420	0	316	197	155	149.1
## 421	0	345	150	286	79.1
## 422	1	13	115	258	339.5
## 423	0	115	233	313	14.7
## 424	1	236	27	293	47.6
## 425	1	26	29	117	12.6
## 426	1	177	231	180	57.4
## 427	0	96	21	53	299.6
## 428	1	292	13	224	76.3
## 429	1	26	216	206	263.9
## 430	1	309	66	24	100.1
## 431	0	96	154	225	214.9
## 432	1	50	319	83	305.2
## 433	0	76	205	180	311.5
## 434	0	17	121	189	98.0
## 435	1	310	68	79	104.3
## 436	0	178	337	67	48.3
## 437	0	177	315	290	217.0
## 438	1	0	179	227	247.1
## 439	1	73	126	90	1.4
## 440	0	4	270	61	84.0
## 441	0	11	252	271	38.5
## 442	1	61	281	120	150.5
## 443	1	167	149	83	291.2
## 444	0	156	252	346	84.7
## 445	1	339	104	184	29.4
## 446	1	199	225	162	249.9
## 447	1	291	344	173	137.9
## 448	1	168	269	306	310.8
## 449	0	290	161	138	163.1
## 450	1	176	13	164	340.2
## 451	1	214	28	139	345.8
## 452	0	231	40	244	227.5
## 453	1	46	236	228	205.8
## 454	1	105	175	36	143.5
## 455	1	206	192	95	72.8
## 456	0	187	239	95	255.5
## 457	0	233	347	350	101.5
## 458	1	301	194	226	23.1
## 459	0	46	279	33	318.5
## 460	0	209	349	19	129.5
## 461	0	17	37	28	94.5
## 462	0	267	219	39	84.0
## 463	0	143	171	323	284.2
## 464	1	296	100	162	51.1
## 465	1	275	213	300	118.3
## 466	1	104	316	270	240.1

## 467	0	201	238	299	280.7
## 468	0	237	134	45	310.1
## 469	1	331	97	225	284.2
## 470	1	104	154	202	139.3
## 471	0	132	290	105	120.4
## 472	0	187	333	180	282.8
## 473	1	173	69	112	66.5
## 474	1	158	119	1	146.3
## 475	0	37	45	325	49.0
## 476	0	186	177	215	189.0
## 477	0	10	311	46	233.1
## 478	1	68	314	169	186.2
## 479	1	150	221	211	41.3
## 480	1	236	88	332	222.6
## 481	1	93	69	34	191.8
## 482	1	76	281	186	164.5
## 483	0	47	316	196	238.0
## 484	0	319	216	254	174.3
## 485	1	35	126	169	313.6
## 486	0	35	90	30	63.0
## 487	0	119	111	244	137.9
## 488	1	146	327	152	210.7
## 489	0	23	177	216	296.8
## 490	1	348	212	50	83.3
## 491	1	120	101	233	22.4
## 492	1	36	180	140	327.6
## 493	0	244	272	33	133.7
## 494	0	190	206	107	282.8
## 495	1	36	250	22	133.7
## 496	1	56	330	333	231.7
## 497	1	344	181	136	79.8
## 498	1	46	27	5	124.6
## 499	0	67	262	64	74.2
## 500	1	141	266	199	203.7
## 501	0	41	283	212	140.7
## 502	0	162	94	223	275.8
## 503	1	335	118	253	251.3
## 504	0	174	88	144	350.0
## 505	1	271	241	240	326.2
## 506	0	125	302	92	284.2
## 507	0	190	217	83	284.9
## 508	1	50	71	40	69.3
## 509	0	270	127	42	239.4
## 510	1	282	118	205	292.6
## 511	1	137	173	346	130.9
## 512	1	113	60	30	105.7
## 513	1	289	124	247	100.1
## 514	0	306	96	107	268.8
## 515	0	107	275	25	61.6
## 516	1	279	327	25	249.9
## 517	0	147	238	349	32.2
## 518	1	220	162	199	58.8
## 519	1	314	8	116	66.5
## 520	1	214	199	187	224.0

## 521	1	96	23	326	270.2
## 522	1	233	93	101	63.0
## 523	0	347	246	68	144.9
## 524	0	71	187	210	33.6
## 525	1	304	113	203	46.2
## 526	0	190	89	291	282.8
## 527	1	319	80	177	179.9
## 528	1	191	291	321	130.2
## 529	1	53	147	339	128.1
## 530	1	109	201	18	138.6
## 531	1	154	258	4	77.7
## 532	0	117	317	349	90.3
## 533	1	289	310	93	10.5
## 534	0	111	178	229	223.3
## 535	0	194	98	139	231.7
## 536	1	189	160	63	294.7
## 537	0	152	143	249	68.6
## 538	0	345	169	302	308.7
## 539	0	26	263	106	1.4
## 540	1	46	13	52	296.8
## 541	1	99	145	70	348.6
## 542	0	287	187	194	181.3
## 543	0	14	196	153	180.6
## 544	0	308	235	206	346.5
## 545	1	349	63	55	240.1
## 546	1	168	335	156	64.4
## 547	1	17	228	102	130.9
## 548	1	166	119	135	41.3
## 549	1	250	325	105	255.5
## 550	0	102	345	154	254.8
## 551	1	224	9	186	154.7
## 552	0	311	232	94	78.4
## 553	0	289	127	18	287.7
## 554	0	285	305	315	277.2
## 555	1	302	1	72	203.0
## 556	0	54	334	338	280.7
## 557	1	22	68	272	204.4
## 558	0	249	47	257	264.6
## 559	0	318	311	167	298.9
## 560	1	268	169	300	61.6
## 561	1	182	134	95	164.5
## 562	0	330	237	295	168.7
## 563	0	122	170	274	130.2
## 564	0	16	25	75	133.7
## 565	0	239	39	122	320.6
## 566	1	304	318	142	178.5
## 567	1	255	306	152	239.4
## 568	1	293	135	182	267.4
## 569	1	203	262	199	328.3
## 570	0	326	36	20	186.9
## 571	0	18	227	328	14.0
## 572	0	221	44	278	141.4
## 573	0	102	277	235	196.7
## 574	0	18	255	308	228.2

## 575	0	269	31	153	112.7
## 576	0	173	238	173	114.8
## 577	0	187	6	43	238.0
## 578	1	335	197	277	163.8
## 579	0	76	106	225	220.5
## 580	1	147	330	62	5.6
## 581	0	17	290	31	166.6
## 582	1	57	115	339	198.1
## 583	1	183	17	299	202.3
## 584	1	217	207	116	160.3
## 585	0	284	268	64	214.2
## 586	1	184	18	313	279.3
## 587	0	243	209	234	36.4
## 588	1	273	252	135	36.4
## 589	1	144	205	11	75.6
## 590	0	227	67	132	230.3
## 591	0	108	272	166	19.6
## 592	1	196	340	191	337.4
## 593	1	1	4	88	116.2
## 594	1	22	110	89	106.4
## 595	1	201	299	148	302.4
## 596	1	8	156	296	184.1
## 597	1	31	188	293	81.9
## 598	1	192	302	334	306.6
## 599	0	150	138	206	121.8
## 600	0	239	326	84	120.4
## 601	0	227	280	299	28.0
## 602	0	81	7	145	163.1
## 603	0	35	303	196	53.2
## 604	1	170	216	256	260.4
## 605	0	226	34	295	27.3
## 606	0	78	69	292	197.4
## 607	0	137	44	119	331.1
## 608	1	95	179	201	158.9
## 609	0	189	280	39	67.2
## 610	0	323	48	260	95.2
## 611	1	161	144	308	264.6
## 612	0	330	243	50	140.0
## 613	1	86	264	48	15.4
## 614	1	149	165	334	156.8
## 615	0	243	240	145	174.3
## 616	1	13	80	77	189.0
## 617	0	41	30	90	112.0
## 618	1	57	233	147	137.9
## 619	1	123	218	302	30.8
## 620	0	9	308	279	248.5
## 621	0	170	297	314	170.8
## 622	1	197	216	59	48.3
## 623	1	236	270	266	217.7
## 624	1	79	111	124	319.2
## 625	0	158	197	37	71.4
## 626	1	259	133	283	81.9
## 627	0	219	31	52	341.6
## 628	0	95	147	21	179.9

## 629	1	174	167	183	22.4
## 630	1	130	335	78	332.5
## 631	1	106	320	283	81.2
## 632	0	319	16	331	165.9
## 633	0	185	288	30	77.7
## 634	0	237	125	142	273.0
## 635	0	328	289	177	245.0
## 636	0	287	343	230	96.6
## 637	0	66	46	288	308.0
## 638	1	206	161	306	298.9
## 639	0	345	93	278	143.5
## 640	0	266	207	31	295.4
## 641	1	283	322	46	112.7
## 642	0	5	210	142	333.9
## 643	0	304	18	281	113.4
## 644	0	230	0	67	65.1
## 645	1	195	329	268	322.7
## 646	1	232	338	18	161.7
## 647	0	261	38	209	155.4
## 648	1	0	250	331	231.0
## 649	1	193	138	120	146.3
## 650	1	57	89	325	179.9
## 651	1	82	53	187	20.3
## 652	1	266	227	215	201.6
## 653	0	348	284	39	45.5
## 654	0	198	317	26	289.8
## 655	1	179	166	348	294.7
## 656	0	47	308	173	317.1
## 657	1	158	284	234	182.0
## 658	1	224	205	285	310.1
## 659	0	226	151	36	221.9
## 660	0	40	133	212	158.9
## 661	1	46	193	46	78.4
## 662	1	204	158	154	322.0
## 663	0	118	86	160	128.8
## 664	1	30	138	182	215.6
## 665	1	34	9	309	13.3
## 666	1	114	110	156	116.2
## 667	0	174	194	191	243.6
## 668	1	226	332	134	147.7
## 669	1	117	293	283	27.3
## 670	0	341	316	115	282.8
## 671	1	120	328	151	128.1
## 672	0	39	44	110	342.3
## 673	0	164	114	217	214.2
## 674	0	263	328	241	208.6
## 675	0	263	111	138	181.3
## 676	1	133	346	200	149.8
## 677	1	228	305	80	44.8
## 678	0	186	147	312	185.5
## 679	1	237	293	168	233.1
## 680	1	174	9	130	189.7
## 681	0	295	150	2	327.6
## 682	0	99	99	305	77.0

## 683	0	197	341	54	280.0
## 684	1	135	116	222	109.2
## 685	1	51	153	235	200.9
## 686	1	96	186	273	181.3
## 687	1	6	228	296	219.8
## 688	0	66	188	310	205.8
## 689	0	209	6	350	335.3
## 690	1	250	106	215	82.6
## 691	1	178	296	116	126.7
## 692	0	332	253	80	37.8
## 693	1	319	27	308	157.5
## 694	1	339	284	315	286.3
## 695	1	47	24	343	336.0
## 696	1	84	29	55	144.9
## 697	0	145	174	189	343.0
## 698	0	253	30	54	17.5
## 699	1	337	308	264	158.2
## 700	0	18	260	134	316.4
## 701	1	101	265	279	58.8
## 702	0	120	24	216	126.7
## 703	1	316	165	27	133.0
## 704	0	152	7	45	56.0
## 705	1	94	35	344	47.6
## 706	0	81	154	291	203.7
## 707	1	105	347	149	248.5
## 708	1	43	202	336	298.2
## 709	0	33	143	177	282.1
## 710	0	175	341	278	350.0
## 711	1	257	217	167	159.6
## 712	1	23	53	170	63.7
## 713	1	243	328	55	43.4
## 714	0	71	20	82	190.4
## 715	0	18	47	124	305.9
## 716	0	212	295	332	84.7
## 717	1	55	220	293	58.8
## 718	1	144	120	174	242.9
## 719	1	146	336	244	129.5
## 720	0	121	346	137	114.1
## 721	1	24	255	229	265.3
## 722	0	197	268	34	252.0
## 723	1	84	129	309	121.8
## 724	0	61	132	144	214.9
## 725	0	111	25	281	97.3
## 726	0	160	304	152	115.5
## 727	1	92	234	243	315.7
## 728	1	201	122	180	98.0
## 729	0	289	209	168	171.5
## 730	0	294	95	315	303.8
## 731	0	270	266	196	160.3
## 732	1	183	250	50	25.9
## 733	0	105	4	124	67.2
## 734	1	19	144	81	67.2
## 735	1	287	149	188	301.7
## 736	0	264	41	208	245.7

## 737	1	306	8	230	158.9
## 738	0	93	293	120	256.9
## 739	0	67	169	130	322.7
## 740	1	151	144	315	23.8
## 741	0	208	157	111	14.0
## 742	0	29	26	211	20.3
## 743	1	317	330	261	28.0
## 744	1	181	309	135	226.8
## 745	0	46	175	234	348.6
## 746	1	313	105	52	293.3
## 747	1	175	44	10	114.1
## 748	1	129	341	252	210.7
## 749	1	224	59	263	246.4
## 750	1	159	108	205	189.7
## 751	0	83	169	150	313.6
## 752	0	125	278	109	210.0
## 753	1	22	32	157	32.2
## 754	0	189	192	278	158.2
## 755	0	39	9	296	142.1
## 756	0	261	139	260	74.2
## 757	0	63	143	334	266.0
## 758	1	46	121	310	126.7
## 759	1	156	204	55	300.3
## 760	1	337	217	140	79.1
## 761	1	11	296	207	301.7
## 762	1	121	140	39	287.0
## 763	1	11	141	185	326.9
## 764	1	281	66	55	336.7
## 765	0	317	24	314	1.4
## 766	1	195	82	169	228.2
## 767	1	287	24	117	151.2
## 768	0	298	244	0	305.2
## 769	1	34	166	268	249.9
## 770	1	135	215	335	32.9
## 771	1	310	114	273	325.5
## 772	1	123	20	43	119.0
## 773	1	70	334	240	148.4
## 774	0	211	172	169	233.1
## 775	1	170	322	317	24.5
## 776	0	129	265	124	130.9
## 777	1	313	151	221	277.9
## 778	0	191	58	343	137.9
## 779	0	120	224	172	313.6
## 780	0	341	305	334	178.5
## 781	1	246	111	245	119.0
## 782	0	335	64	26	21.7
## 783	0	138	210	50	338.8
## 784	0	1	106	141	171.5
## 785	0	215	159	220	107.1
## 786	1	209	339	200	151.9
## 787	0	246	139	164	35.7
## 788	1	284	349	18	301.7
## 789	0	308	293	170	163.8
## 790	0	332	204	335	98.7

## 791	1	260	13	152	23.8
## 792	0	81	342	11	75.6
## 793	1	220	87	60	16.1
## 794	1	242	215	202	233.8
## 795	0	142	144	112	95.9
## 796	1	198	43	216	247.1
## 797	0	111	179	58	4.2
## 798	1	106	254	113	45.5
## 799	1	192	84	55	140.0
## 800	0	224	224	336	149.1
## 801	1	278	349	111	156.8
## 802	1	193	297	123	177.8
## 803	1	180	37	238	344.4
## 804	0	23	53	293	101.5
## 805	1	190	17	322	282.8
## 806	0	257	237	291	168.7
## 807	1	185	21	282	65.1
## 808	0	261	4	237	58.8
## 809	1	254	83	249	28.7
## 810	1	113	1	222	30.1
## 811	1	240	92	114	144.2
## 812	0	96	130	87	242.9
## 813	1	59	243	96	276.5
## 814	0	156	145	162	21.7
## 815	0	190	283	119	173.6
## 816	1	334	205	90	75.6
## 817	1	48	326	286	18.2
## 818	0	190	272	80	18.2
## 819	1	213	295	128	245.0
## 820	1	199	299	215	140.0
## 821	1	308	302	307	81.9
## 822	1	228	63	303	131.6
## 823	0	178	298	4	228.9
## 824	1	231	231	326	71.4
## 825	1	4	38	270	276.5
## 826	0	336	183	0	48.3
## 827	0	20	244	196	147.7
## 828	0	145	154	336	142.8
## 829	1	296	114	309	204.4
## 830	0	348	319	83	124.6
## 831	0	313	27	176	309.4
## 832	1	48	303	22	225.4
## 833	0	162	220	112	273.7
## 834	0	127	89	13	282.8
## 835	1	10	129	332	314.3
## 836	1	2	107	312	319.9
## 837	0	229	159	342	294.0
## 838	0	42	37	70	238.0
## 839	0	22	36	63	13.3
## 840	1	25	80	25	3.5
## 841	1	140	21	240	339.5
## 842	0	120	145	332	245.0
## 843	1	7	330	103	65.8
## 844	1	53	59	146	161.0

## 845	0	194	304	333	98.0
## 846	0	261	142	217	44.8
## 847	0	74	85	140	175.0
## 848	0	81	73	2	212.1
## 849	0	133	207	145	74.9
## 850	1	268	106	53	258.3
## 851	0	293	273	286	37.1
## 852	1	176	143	203	49.7
## 853	1	216	239	233	322.0
## 854	0	254	186	141	136.5
## 855	1	276	113	25	107.8
## 856	0	280	58	315	144.9
## 857	1	204	80	159	39.2
## 858	1	211	132	226	109.9
## 859	1	337	188	240	296.1
## 860	1	80	298	146	72.1
## 861	1	242	95	32	95.2
## 862	0	35	157	339	74.2
## 863	0	108	170	147	108.5
## 864	0	104	235	305	333.2
## 865	1	220	240	295	347.2
## 866	1	203	313	78	130.9
## 867	0	306	52	208	272.3
## 868	0	152	65	138	66.5
## 869	0	177	165	350	13.3
## 870	1	174	72	340	221.2
## 871	1	240	281	191	278.6
## 872	0	150	120	5	51.1
## 873	0	49	323	27	237.3
## 874	1	289	225	179	191.1
## 875	0	170	212	335	180.6
## 876	0	44	217	155	117.6
## 877	1	183	116	122	285.6
## 878	1	266	322	349	210.7
## 879	0	181	230	347	67.2
## 880	1	206	83	75	207.2
## 881	0	131	323	43	192.5
## 882	0	145	329	338	53.2
## 883	1	245	160	35	86.1
## 884	1	195	171	134	100.1
## 885	0	14	149	202	107.1
## 886	1	195	248	174	128.1
## 887	0	96	304	16	140.0
## 888	1	75	140	111	14.7
## 889	1	85	231	222	230.3
## 890	0	259	127	264	195.3
## 891	0	188	291	171	165.2
## 892	0	332	317	126	216.3
## 893	1	167	326	101	107.8
## 894	1	231	280	102	121.8
## 895	1	68	211	128	30.8
## 896	1	226	66	242	194.6
## 897	1	1	303	338	158.2
## 898	1	144	155	88	44.1

## 899	0	225	289	350	305.9
## 900	0	343	257	311	22.4
## 901	0	217	263	195	238.0
## 902	1	41	97	4	338.8
## 903	1	245	59	100	310.1
## 904	0	179	136	208	210.0
## 905	0	81	146	122	81.9
## 906	1	64	248	324	45.5
## 907	0	151	277	310	330.4
## 908	1	289	45	114	219.8
## 909	1	179	285	139	331.8
## 910	1	222	55	292	164.5
## 911	0	293	283	70	95.2
## 912	0	155	193	267	8.4
## 913	1	18	215	252	347.2
## 914	1	297	166	206	93.1
## 915	1	19	305	103	116.9
## 916	1	228	273	141	134.4
## 917	1	206	140	332	62.3
## 918	1	101	322	329	63.0
## 919	1	95	53	191	104.3
## 920	1	269	132	121	261.1
## 921	0	249	205	25	207.9
## 922	0	201	288	19	277.9
## 923	1	62	294	242	205.8
## 924	1	340	225	12	234.5
## 925	1	23	282	152	144.9
## 926	0	49	6	290	59.5
## 927	1	133	35	23	210.0
## 928	1	42	130	296	296.1
## 929	1	15	208	279	102.2
## 930	0	295	235	350	289.1
## 931	0	271	157	275	137.9
## 932	1	174	304	324	179.9
## 933	1	132	209	267	284.2
## 934	0	71	300	97	319.2
## 935	0	103	22	261	207.2
## 936	1	44	222	241	205.1
## 937	0	233	307	225	276.5
## 938	1	136	247	52	84.0
## 939	0	186	94	34	141.4
## 940	0	81	1	84	256.9
## 941	0	31	162	242	28.0
## 942	0	186	166	296	182.7
## 943	1	306	207	22	216.3
## 944	0	127	259	107	35.7
## 945	0	283	111	309	34.3
## 946	0	297	81	348	234.5
## 947	1	289	215	108	259.0
## 948	1	285	92	228	249.9
## 949	1	54	78	166	309.4
## 950	1	171	226	340	102.2
## 951	1	313	35	283	54.6
## 952	1	18	247	48	63.7

## 953	0	343	155	198	270.9
## 954	1	55	57	295	103.6
## 955	1	165	129	46	212.1
## 956	0	185	225	101	346.5
## 957	0	113	18	188	196.0
## 958	0	186	101	291	220.5
## 959	1	246	92	345	301.0
## 960	1	226	218	46	42.0
## 961	1	262	172	145	299.6
## 962	1	255	247	195	339.5
## 963	0	255	105	325	186.9
## 964	0	177	121	72	87.5
## 965	0	231	155	163	26.6
## 966	0	273	82	222	198.8
## 967	1	265	91	241	37.1
## 968	0	159	342	340	15.4
## 969	0	96	236	176	304.5
## 970	0	279	252	91	128.8
## 971	0	264	279	350	55.3
## 972	0	1	79	259	198.8
## 973	0	114	138	167	270.2
## 974	1	113	302	297	232.4
## 975	1	339	8	321	21.7
## 976	0	328	300	157	289.8
## 977	1	302	190	113	275.8
## 978	0	209	20	266	318.5
## 979	1	53	228	112	100.1
## 980	0	168	135	107	124.6
## 981	0	76	188	208	324.8
## 982	1	289	310	268	161.7
## 983	1	36	98	198	291.2
## 984	1	349	82	163	202.3
## 985	0	312	39	253	214.9
## 986	1	220	236	132	282.1
## 987	1	214	198	287	195.3
## 988	1	174	36	286	333.9
## 989	0	301	226	6	22.4
## 990	1	76	337	316	32.9
## 991	0	200	237	142	100.1
## 992	1	107	54	73	197.4
## 993	1	6	43	126	47.6
## 994	1	292	147	298	188.3
## 995	1	313	236	14	328.3
## 996	0	135	132	310	13.3
## 997	1	150	90	267	347.9
## 998	1	260	292	53	147.0
## 999	0	251	39	103	301.0
## 1000	1	241	216	298	343.0
## Percentage	APS				
## 1	68.19429	24			
## 2	44.87429	18			
## 3	47.73714	18			
## 4	63.61143	24			
## 5	41.32000	16			

```

## 6      83.24000 34
## 7      34.64571 12
## 8      51.30857 19
## 9      55.38286 21
## 10     24.14857 10
## 11     65.32571 24
## 12     39.81143 16
## 13     44.84000 16
## 14     45.86286 18
## 15     37.82857 13
## 16     59.89714 22
## 17     44.47429 19
## 18     32.08000 11
## 19     54.93143 19
## 20     57.83429 20
## 21     61.84571 23
## 22     39.75429 16
## 23     34.92000 14
## 24     56.49143 20
## 25     39.66857 13
## 26     43.72000 17
## 27     38.32571 14
## 28     42.76571 15
## 29     57.95429 21
## 30     35.72000 12
## 31     53.74857 20
## 32     65.72571 26
## 33     52.19429 18
## 34     75.58286 28
## 35     82.80571 32
## 36     47.13714 18
## 37     47.65143 18
## 38     48.40571 17
## 39     35.60000 13
## 40     57.99429 23
## 41     10.05714  5
## 42     69.70857 25
## 43     52.16571 20
## 44     43.27429 16
## 45     58.92000 23
## 46     48.41714 19
## 47     71.80000 28
## 48     59.69714 23
## 49     55.12571 20
## 50     33.24000 13
## 51     49.21714 20
## 52     64.98286 25
## 53     42.36000 13
## 54     51.64000 18
## 55     62.00571 23
## 56     44.30286 15
## 57     58.17714 22
## 58     32.85714 11
## 59     76.73714 29

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## 60      45.04571 17
## 61      59.53714 22
## 62      43.70857 17
## 63      54.70857 22
## 64      67.55429 27
## 65      53.12000 19
## 66      62.26286 22
## 67      68.20000 25
## 68      48.42857 19
## 69      59.64571 23
## 70      61.31429 24
## 71      63.97714 22
## 72      56.54857 21
## 73      51.76571 20
## 74      46.69143 17
## 75      21.92571  8
## 76      43.03429 14
## 77      32.57143 12
## 78      74.05143 28
## 79      53.57143 18
## 80      46.59429 19
## 81      52.53143 18
## 82      35.59429 12
## 83      54.98286 21
## 84      37.70857 13
## 85      29.26857 11
## 86      27.48571  8
## 87      70.77714 26
## 88      46.02857 16
## 89      61.12571 23
## 90      70.25143 26
## 91      68.21143 26
## 92      47.43429 18
## 93      53.20571 20
## 94      54.92571 20
## 95      41.92571 17
## 96      67.15429 25
## 97      32.18857 13
## 98      47.03429 17
## 99      24.64000 11
## 100     47.65714 18
## 101     51.74286 19
## 102     54.72571 21
## 103     40.08571 14
## 104     48.29714 17
## 105     47.39429 16
## 106     34.95429 14
## 107     52.49714 20
## 108     38.99429 15
## 109     28.46857  9
## 110     52.00571 21
## 111     46.38286 15
## 112     60.24571 21
## 113     51.79429 20

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## 114    64.93143 24
## 115    57.41143 22
## 116    33.58857 11
## 117    48.38857 19
## 118    32.92571 13
## 119    63.19429 27
## 120    42.84000 16
## 121    60.67429 23
## 122    35.24000 15
## 123    48.89143 16
## 124    59.58857 21
## 125    68.93143 27
## 126    56.65714 24
## 127    56.29714 22
## 128    57.55429 21
## 129    52.29143 19
## 130    44.88571 16
## 131    43.47429 17
## 132    62.08000 23
## 133    39.56571 14
## 134    29.76000 11
## 135    57.96000 22
## 136    44.16571 17
## 137    59.36000 22
## 138    69.70857 27
## 139    48.70286 17
## 140    56.97143 20
## 141    65.94286 26
## 142    50.93714 17
## 143    53.01714 20
## 144    42.10857 17
## 145    47.67429 18
## 146    35.80571 12
## 147    42.78857 15
## 148    48.41714 18
## 149    62.10286 23
## 150    58.60571 22
## 151    39.56571 16
## 152    63.16000 25
## 153    26.84571 10
## 154    46.18857 16
## 155    78.18286 30
## 156    56.61714 19
## 157    36.77143 15
## 158    36.36000 13
## 159    55.53143 22
## 160    63.17143 24
## 161    51.36571 18
## 162    68.29714 26
## 163    34.80000 10
## 164    42.47429 16
## 165    29.89143 13
## 166    52.30286 18
## 167    47.83429 17

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## 168    41.26286 17
## 169    56.52571 22
## 170    54.67429 20
## 171    42.14857 17
## 172    40.41714 13
## 173    64.85714 22
## 174    58.09714 21
## 175    39.35429 16
## 176    39.99429 15
## 177    50.83429 20
## 178    76.87429 30
## 179    63.53714 23
## 180    69.96000 25
## 181    69.76571 25
## 182    49.62286 18
## 183    68.82286 27
## 184    69.05714 28
## 185    27.58286 11
## 186    23.96571  8
## 187    39.13714 15
## 188    58.89714 22
## 189    25.63429  9
## 190    56.08571 21
## 191    48.80000 18
## 192    55.30286 21
## 193    44.44571 17
## 194    28.93714  9
## 195    38.61714 14
## 196    48.49143 18
## 197    49.01143 19
## 198    52.70857 21
## 199    51.31429 20
## 200    42.08000 16
## 201    47.50286 16
## 202    50.31429 19
## 203    49.20000 18
## 204    49.61714 17
## 205    51.32000 19
## 206    50.26857 17
## 207    29.50857 11
## 208    45.57714 16
## 209    14.25143  6
## 210    49.56000 18
## 211    43.76000 17
## 212    49.16571 18
## 213    53.53143 21
## 214    52.73143 21
## 215    38.96000 16
## 216    33.55429 12
## 217    46.30857 15
## 218    32.28000 13
## 219    58.42286 21
## 220    37.44000 15
## 221    45.72000 17
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## 222 64.66857 24
## 223 52.61143 21
## 224 55.25714 20
## 225 31.94857 11
## 226 39.79429 13
## 227 54.19429 19
## 228 45.97143 17
## 229 52.47429 21
## 230 48.45143 17
## 231 62.38857 23
## 232 31.74286 14
## 233 31.13714 11
## 234 26.04000 11
## 235 34.42286 11
## 236 55.05143 20
## 237 42.77714 15
## 238 48.62286 17
## 239 38.83429 14
## 240 54.34286 19
## 241 30.45143 10
## 242 67.78286 26
## 243 31.42286 12
## 244 34.25143 13
## 245 41.80571 14
## 246 65.28000 25
## 247 31.00000 12
## 248 46.26286 18
## 249 42.63429 15
## 250 74.51429 29
## 251 35.74286 14
## 252 62.84571 24
## 253 40.46286 15
## 254 42.04571 17
## 255 49.81714 19
## 256 45.62857 16
## 257 56.69714 20
## 258 55.07429 21
## 259 35.65143 11
## 260 49.17143 18
## 261 42.80000 15
## 262 52.35429 18
## 263 47.23429 17
## 264 32.54857 10
## 265 15.48000 5
## 266 59.46857 22
## 267 47.57143 16
## 268 44.33143 16
## 269 64.90857 23
## 270 69.20571 26
## 271 34.70286 12
## 272 35.82286 16
## 273 75.26286 30
## 274 59.59429 22
## 275 66.62857 25
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## 276 50.97143 19
## 277 29.49143 11
## 278 36.54286 14
## 279 68.68571 27
## 280 44.10286 14
## 281 36.97143 13
## 282 58.03429 21
## 283 43.65143 15
## 284 52.69143 19
## 285 46.48000 16
## 286 53.40000 21
## 287 41.97143 15
## 288 40.40000 15
## 289 55.36000 20
## 290 44.93714 14
## 291 49.52571 19
## 292 47.23429 17
## 293 55.20000 20
## 294 46.13714 15
## 295 42.06286 15
## 296 46.77143 19
## 297 45.62286 18
## 298 39.23429 13
## 299 74.30286 28
## 300 34.44000 11
## 301 58.82857 22
## 302 40.24571 14
## 303 30.59429 11
## 304 60.19429 25
## 305 47.06286 17
## 306 48.96000 19
## 307 57.16571 23
## 308 49.13714 17
## 309 45.68000 18
## 310 57.54857 23
## 311 64.16571 24
## 312 86.13714 31
## 313 46.01714 15
## 314 34.52000 14
## 315 45.37143 17
## 316 61.81143 23
## 317 55.96000 22
## 318 22.09143 5
## 319 49.96000 19
## 320 29.06857 11
## 321 39.11429 15
## 322 37.65714 15
## 323 50.37143 20
## 324 61.98857 23
## 325 67.41714 25
## 326 47.86286 18
## 327 81.66286 31
## 328 54.12000 20
## 329 26.57714 11
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## 330 51.02286 21
## 331 56.68000 23
## 332 73.29143 26
## 333 30.74286 12
## 334 59.70286 23
## 335 65.74286 26
## 336 57.48000 22
## 337 44.27429 14
## 338 45.29143 15
## 339 66.26286 24
## 340 73.41714 28
## 341 58.37143 22
## 342 48.25143 19
## 343 69.96000 27
## 344 37.64571 13
## 345 53.34286 19
## 346 65.12571 24
## 347 74.40571 27
## 348 52.37714 20
## 349 49.17714 17
## 350 42.92000 14
## 351 69.42286 26
## 352 26.29143 9
## 353 43.85143 17
## 354 61.74857 21
## 355 65.16571 25
## 356 47.91429 18
## 357 45.11429 14
## 358 60.82286 22
## 359 55.37714 22
## 360 28.82286 9
## 361 70.41714 27
## 362 34.33714 12
## 363 57.20000 21
## 364 39.22857 15
## 365 65.98286 24
## 366 34.29714 12
## 367 41.14857 16
## 368 46.60571 17
## 369 36.08000 12
## 370 56.54286 21
## 371 34.85143 12
## 372 54.06857 21
## 373 68.86286 26
## 374 58.50286 21
## 375 34.93143 13
## 376 36.23429 14
## 377 35.72000 12
## 378 48.49143 17
## 379 51.27429 19
## 380 37.41714 15
## 381 38.14857 16
## 382 61.85714 24
## 383 45.26857 19
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## 384    66.78857 26
## 385    53.36000 18
## 386    14.06857  6
## 387    36.92000 13
## 388    41.28000 15
## 389    62.35429 23
## 390    47.53143 17
## 391    47.55429 18
## 392    47.35429 17
## 393    43.40571 17
## 394    66.82286 23
## 395    44.10286 17
## 396    43.40571 16
## 397    61.62857 24
## 398    38.34857 14
## 399    49.48000 19
## 400    57.55429 22
## 401    36.44000 12
## 402    50.46857 20
## 403    73.57714 26
## 404    71.53714 26
## 405    24.09714  9
## 406    65.06286 25
## 407    87.42286 33
## 408    37.15429 12
## 409    10.11429  5
## 410    72.78286 29
## 411    54.37714 19
## 412    67.40571 27
## 413    34.60000 13
## 414    45.52000 16
## 415    42.40000 16
## 416    75.01143 31
## 417    43.77714 16
## 418    74.68000 29
## 419    35.22286 11
## 420    63.03429 24
## 421    51.83429 19
## 422    60.42857 23
## 423    51.58286 20
## 424    36.37714 15
## 425    16.94857  7
## 426    41.05143 15
## 427    44.94857 17
## 428    42.64571 17
## 429    50.85143 20
## 430    44.34857 16
## 431    58.96571 21
## 432    46.86857 17
## 433    52.20000 19
## 434    27.77143  9
## 435    48.87429 17
## 436    47.84571 17
## 437    69.37143 28

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## 438    46.17714 19
## 439    34.02286 12
## 440    40.45714 16
## 441    52.25714 21
## 442    46.42857 17
## 443    41.84000 15
## 444    53.01143 18
## 445    46.53714 16
## 446    55.30857 20
## 447    61.13714 21
## 448    61.87429 24
## 449    52.69143 18
## 450    42.29714 16
## 451    52.78857 19
## 452    42.77143 17
## 453    52.16000 19
## 454    31.34286 11
## 455    37.47429 11
## 456    45.11429 17
## 457    68.94286 24
## 458    54.34857 21
## 459    40.65714 16
## 460    46.25714 15
## 461    11.40000  5
## 462    51.54286 20
## 463    71.66857 27
## 464    39.77714 13
## 465    53.67429 21
## 466    68.29143 25
## 467    65.81143 25
## 468    51.66286 19
## 469    63.55429 24
## 470    40.47429 12
## 471    37.22286 14
## 472    73.18857 29
## 473    38.94286 13
## 474    40.76000 16
## 475    35.94286 13
## 476    55.14286 21
## 477    42.92000 17
## 478    48.75429 17
## 479    48.98857 19
## 480    51.80571 19
## 481    23.87429  8
## 482    53.68571 20
## 483    46.80000 18
## 484    55.84571 22
## 485    49.17714 18
## 486    16.28571  5
## 487    43.82286 14
## 488    66.04000 25
## 489    52.50286 21
## 490    46.58857 16
## 491    31.16571 10

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```
## 492 58.37714 22
## 493 57.06857 21
## 494 55.18857 21
## 495 32.49714 12
## 496 69.81143 26
## 497 56.78857 20
## 498 27.69143 12
## 499 35.26857 12
## 500 60.72571 23
## 501 44.66857 18
## 502 56.04571 20
## 503 74.41714 28
## 504 58.62857 20
## 505 70.86857 26
## 506 46.69714 18
## 507 45.93714 18
## 508 15.50286 5
## 509 52.30857 19
## 510 61.34857 24
## 511 55.99429 18
## 512 31.35429 11
## 513 63.32000 23
## 514 55.58857 20
## 515 42.77714 17
## 516 70.33714 27
## 517 45.95429 17
## 518 49.13143 18
## 519 38.65714 14
## 520 52.85714 19
## 521 53.09714 20
## 522 46.11429 15
## 523 59.70857 22
## 524 36.37714 13
## 525 43.66857 15
## 526 57.58857 22
## 527 59.82286 23
## 528 72.41143 27
## 529 42.12000 14
## 530 33.52000 11
## 531 30.84000 12
## 532 60.07429 21
## 533 57.97143 23
## 534 60.36000 23
## 535 50.55429 17
## 536 45.46857 16
## 537 39.00571 14
## 538 80.38286 31
## 539 40.76571 17
## 540 35.70286 15
## 541 45.12000 14
## 542 53.73143 20
## 543 37.46286 14
## 544 81.34286 30
## 545 50.57714 18
```

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## 546 53.50857 19
## 547 33.13714 10
## 548 36.70286 12
## 549 69.05714 27
## 550 60.73143 21
## 551 47.12571 19
## 552 59.79429 21
## 553 51.64000 21
## 554 69.15429 28
## 555 48.05714 19
## 556 72.78286 28
## 557 48.59429 19
## 558 52.14857 20
## 559 69.36571 26
## 560 50.72000 18
## 561 46.71429 15
## 562 76.21143 29
## 563 52.24000 18
## 564 18.38286 6
## 565 48.49143 17
## 566 60.65714 23
## 567 64.36571 24
## 568 53.62286 20
## 569 63.84571 23
## 570 38.05143 14
## 571 49.31429 20
## 572 57.85143 22
## 573 59.98286 21
## 574 55.55429 22
## 575 32.84000 13
## 576 51.36000 17
## 577 28.45714 12
## 578 60.96000 21
## 579 49.97143 19
## 580 41.86286 16
## 581 35.34857 14
## 582 45.66286 15
## 583 44.70286 17
## 584 56.70286 21
## 585 55.89714 22
## 586 56.93143 22
## 587 56.08000 21
## 588 57.96571 22
## 589 42.66286 16
## 590 47.73143 17
## 591 37.97714 13
## 592 70.02286 25
## 593 20.18286 8
## 594 28.42286 9
## 595 69.39429 27
## 596 37.60571 16
## 597 42.28000 16
## 598 75.57714 29
## 599 46.44571 15
```

```
## 600 57.45143 20
## 601 51.31429 21
## 602 41.83429 15
## 603 46.64000 18
## 604 58.42286 22
## 605 51.90286 21
## 606 56.13714 20
## 607 36.63429 13
## 608 49.53714 17
## 609 40.18286 15
## 610 58.98286 22
## 611 50.26286 20
## 612 62.74286 23
## 613 27.56571 10
## 614 48.73143 17
## 615 63.67429 23
## 616 30.22857 10
## 617 23.31429 7
## 618 46.45143 16
## 619 48.27429 18
## 620 49.74286 21
## 621 56.67429 21
## 622 47.96000 18
## 623 74.09714 29
## 624 43.95429 14
## 625 41.50857 15
## 626 45.36571 17
## 627 49.80571 19
## 628 27.88000 10
## 629 47.10857 17
## 630 64.65714 23
## 631 46.98286 18
## 632 61.19429 23
## 633 33.58286 14
## 634 55.71429 20
## 635 65.48571 26
## 636 73.57714 27
## 637 57.08571 23
## 638 62.16571 23
## 639 50.14286 18
## 640 57.56571 22
## 641 59.01143 23
## 642 40.56571 17
## 643 52.93714 22
## 644 35.14857 14
## 645 75.46857 28
## 646 46.72571 17
## 647 53.50857 20
## 648 65.88571 26
## 649 34.41714 12
## 650 43.53714 15
## 651 36.70286 14
## 652 60.94857 23
## 653 51.74286 20
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## 654 64.78857 26
## 655 64.38286 23
## 656 66.97714 25
## 657 65.08571 26
## 658 58.97714 24
## 659 53.65143 21
## 660 43.48000 16
## 661 22.76571 8
## 662 51.88571 18
## 663 30.73143 9
## 664 42.60571 16
## 665 36.93143 17
## 666 31.15429 10
## 667 54.14857 19
## 668 61.92571 22
## 669 56.30286 23
## 670 69.76000 26
## 671 55.32000 19
## 672 35.21714 12
## 673 42.29714 16
## 674 72.83429 27
## 675 52.13143 19
## 676 65.01714 23
## 677 54.61714 21
## 678 59.85714 23
## 679 68.69143 26
## 680 35.12571 12
## 681 55.57714 22
## 682 40.80000 12
## 683 51.65714 20
## 684 41.72571 14
## 685 46.16571 16
## 686 61.27429 22
## 687 61.18857 25
## 688 44.96000 17
## 689 67.96000 26
## 690 44.54857 16
## 691 57.52571 22
## 692 59.81714 22
## 693 49.05714 19
## 694 79.21714 31
## 695 48.22857 17
## 696 29.76571 10
## 697 67.08571 24
## 698 32.31429 14
## 699 62.06857 24
## 700 41.68000 17
## 701 59.07429 21
## 702 47.18286 17
## 703 38.85714 14
## 704 29.20000 12
## 705 37.69143 12
## 706 46.84000 16
## 707 51.62857 19
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## 708 63.26857 24
## 709 52.57714 22
## 710 83.54286 31
## 711 55.29143 20
## 712 35.35429 13
## 713 54.53714 21
## 714 32.53714 11
## 715 36.96571 14
## 716 60.44000 22
## 717 46.90286 18
## 718 47.99429 16
## 719 53.85714 18
## 720 48.97714 15
## 721 44.76000 19
## 722 49.25714 19
## 723 47.93143 16
## 724 50.56571 18
## 725 46.18857 18
## 726 59.91429 22
## 727 69.35429 25
## 728 36.91429 12
## 729 54.42857 19
## 730 76.38857 29
## 731 57.38857 21
## 732 48.90857 19
## 733 34.64000 13
## 734 26.24000 9
## 735 69.69714 28
## 736 43.92571 18
## 737 48.79429 19
## 738 49.30857 17
## 739 58.89714 20
## 740 42.90286 16
## 741 36.80000 13
## 742 27.04571 12
## 743 66.57143 26
## 744 59.47429 22
## 745 46.32000 18
## 746 49.73143 19
## 747 36.57714 15
## 748 67.81143 26
## 749 46.88000 19
## 750 54.09714 20
## 751 42.32000 15
## 752 42.97143 16
## 753 23.89714 10
## 754 48.46857 18
## 755 45.43429 19
## 756 56.86857 21
## 757 61.25714 23
## 758 35.92571 13
## 759 50.36000 18
## 760 44.63429 17
## 761 48.66857 20
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## 762 42.40000 16
## 763 57.82286 22
## 764 53.81143 20
## 765 45.73714 19
## 766 58.06857 20
## 767 45.55429 18
## 768 51.49714 21
## 769 59.82286 23
## 770 42.22286 16
## 771 61.17143 23
## 772 34.34286 13
## 773 57.90857 21
## 774 51.77714 18
## 775 66.88571 25
## 776 56.90857 19
## 777 69.65143 27
## 778 57.08000 20
## 779 54.83429 19
## 780 73.80000 27
## 781 42.68571 17
## 782 42.95429 17
## 783 55.53143 20
## 784 31.00000 11
## 785 52.06286 20
## 786 56.90857 19
## 787 48.66857 18
## 788 68.78286 28
## 789 53.70286 21
## 790 63.69714 22
## 791 34.21714 14
## 792 31.52000 11
## 793 22.40571 9
## 794 67.81714 26
## 795 37.93714 12
## 796 48.52000 19
## 797 29.15429 11
## 798 31.17143 12
## 799 45.82857 16
## 800 71.03429 27
## 801 61.18857 22
## 802 51.24571 19
## 803 48.25143 18
## 804 46.42857 17
## 805 49.81714 20
## 806 60.72571 23
## 807 41.32000 16
## 808 47.98857 19
## 809 37.01143 15
## 810 31.94857 13
## 811 34.29714 12
## 812 39.76571 12
## 813 46.77143 16
## 814 34.66857 12
## 815 55.46286 20
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## 816 52.72000 18
## 817 55.72571 23
## 818 40.06857 15
## 819 58.45714 23
## 820 52.57143 20
## 821 58.50857 23
## 822 46.20571 16
## 823 41.93714 18
## 824 63.10857 24
## 825 43.17143 17
## 826 44.76000 18
## 827 41.29714 15
## 828 45.64571 17
## 829 71.90857 27
## 830 59.86286 20
## 831 65.62286 26
## 832 49.39429 20
## 833 52.55429 19
## 834 32.61714 12
## 835 57.73143 22
## 836 59.82286 24
## 837 64.91429 24
## 838 25.82857 9
## 839 19.73143 9
## 840 13.74286 6
## 841 51.45714 19
## 842 67.54286 25
## 843 36.90286 13
## 844 43.94286 15
## 845 69.88571 26
## 846 49.70286 19
## 847 27.88571 10
## 848 40.63429 15
## 849 37.02286 11
## 850 51.50286 20
## 851 59.09143 24
## 852 35.18286 13
## 853 68.00000 26
## 854 55.57143 21
## 855 34.67429 12
## 856 58.45143 23
## 857 47.55429 16
## 858 55.82286 21
## 859 62.80571 24
## 860 37.14857 13
## 861 27.55429 9
## 862 48.18286 17
## 863 31.74286 11
## 864 56.12571 21
## 865 67.78286 25
## 866 41.53714 15
## 867 53.21714 19
## 868 31.57143 9
## 869 54.24571 20
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## 870 54.46857 19
## 871 72.83429 29
## 872 30.40571 11
## 873 55.04571 21
## 874 66.12000 26
## 875 68.20571 26
## 876 47.63429 18
## 877 57.69143 22
## 878 69.24000 26
## 879 64.24000 24
## 880 45.89714 15
## 881 41.62857 15
## 882 59.95429 22
## 883 44.06286 17
## 884 43.14857 13
## 885 33.54857 12
## 886 60.86286 22
## 887 33.37143 13
## 888 36.84000 14
## 889 56.53143 21
## 890 53.44571 19
## 891 54.01143 19
## 892 62.81714 23
## 893 49.24571 16
## 894 44.16000 16
## 895 27.13143 10
## 896 46.26286 16
## 897 46.98286 19
## 898 32.97714 11
## 899 85.76571 33
## 900 56.76571 22
## 901 69.60000 27
## 902 35.64571 13
## 903 45.72000 16
## 904 46.11429 16
## 905 36.50857 11
## 906 45.05714 17
## 907 76.70857 29
## 908 46.38857 18
## 909 67.13143 25
## 910 52.60000 20
## 911 48.86857 18
## 912 38.99429 15
## 913 52.18286 20
## 914 51.14857 17
## 915 41.88000 15
## 916 61.45143 23
## 917 47.78857 16
## 918 55.60000 19
## 919 35.10286 10
## 920 58.23429 21
## 921 53.02286 20
## 922 62.85143 25
## 923 48.96000 18
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## 924 50.14286 19
## 925 43.88000 17
## 926 27.28571 11
## 927 39.02857 16
## 928 50.57714 19
## 929 53.04000 19
## 930 79.72000 31
## 931 60.22286 22
## 932 68.56571 26
## 933 57.66857 21
## 934 63.44000 23
## 935 47.09714 17
## 936 45.49143 16
## 937 78.02857 30
## 938 48.51429 17
## 939 35.22286 12
## 940 33.99429 12
## 941 35.02857 13
## 942 61.69714 24
## 943 60.36000 24
## 944 38.26857 14
## 945 55.38857 22
## 946 62.20000 22
## 947 66.45714 27
## 948 67.02286 26
## 949 53.39429 19
## 950 64.01143 23
## 951 51.29143 21
## 952 25.35429 10
## 953 72.62286 27
## 954 38.09143 13
## 955 48.12000 18
## 956 63.74286 23
## 957 44.51429 17
## 958 51.22857 18
## 959 59.65714 22
## 960 38.22857 14
## 961 58.60571 22
## 962 73.45714 29
## 963 65.70857 25
## 964 28.77143 9
## 965 49.23429 19
## 966 47.53143 17
## 967 52.46286 20
## 968 60.02286 22
## 969 58.77143 22
## 970 52.44571 18
## 971 71.67429 27
## 972 46.38857 18
## 973 47.44000 16
## 974 72.42286 28
## 975 42.49714 17
## 976 69.01714 26
## 977 62.10286 23
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## 978    63.00000 25
## 979    45.03429 16
## 980    43.46286 14
## 981    61.70286 23
## 982    59.18286 24
## 983    37.66857 14
## 984    52.98857 17
## 985    58.73714 23
## 986    63.20571 24
## 987    60.13143 23
## 988    64.85143 25
## 989    43.73714 19
## 990    60.73714 23
## 991    40.12000 14
## 992    37.39429 13
## 993    30.32000 12
## 994    67.04571 27
## 995    56.36000 21
## 996    33.84571 13
## 997    58.16571 20
## 998    52.51429 20
## 999    51.54286 19
## 1000   77.60000 30

```

Q6) Here are some of the minimum APS scores required for qualifications:

BScDS,BScEA 21+ points BCom – 18 - 21 points BBA – 15-18 points

Create a new column “Application Status” that has levels, Accepted or Rejected based on the APS score

```

data_frame$Application.Status <- with(data_frame, ifelse(APS>21, "BSC DS / BSc EA", ifelse(APS>18, "BSc
data_frame

```

	Application.Number	GRE.Score	TOEFL.Score	Previous.Category	CGPA
## 1	2000647	307	112	3	2.5
## 2	2000477	128	469	5	2.2
## 3	2000536	284	82	0	3.7
## 4	2000444	298	216	5	0.1
## 5	2000985	290	93	3	7.9
## 6	2000049	286	481	0	7.1
## 7	2000072	55	79	0	2.5
## 8	2000617	172	227	2	8.6
## 9	2000282	314	36	3	6.9
## 10	2000059	19	248	0	3.1
## 11	2000272	344	156	4	4.2
## 12	2000356	56	401	5	4.9
## 13	2000705	166	431	2	6.4
## 14	2000520	186	58	5	6.9
## 15	2000451	114	130	0	4.8
## 16	2000553	187	226	3	9.4
## 17	2000620	247	19	4	8.9
## 18	2000998	227	102	1	0.7
## 19	2000698	263	499	4	0.4

## 20	2000619	256	93	2	6.9
## 21	2000879	256	219	4	8.3
## 22	2000949	178	441	0	9.4
## 23	2000889	232	173	4	0.7
## 24	2000696	274	248	5	5.6
## 25	2000226	266	106	4	9.5
## 26	2000665	160	493	4	0.8
## 27	2000971	97	381	5	2.9
## 28	2000112	280	122	5	7.2
## 29	2000240	265	156	3	8.6
## 30	2000701	2	83	2	6.1
## 31	2000361	115	438	3	5.5
## 32	2000157	114	366	1	4.1
## 33	2000517	340	92	1	9.2
## 34	2000259	329	371	2	9.3
## 35	2000869	303	343	0	7.5
## 36	2000094	210	377	4	3.9
## 37	2000957	54	237	0	5.9
## 38	2000004	169	253	0	8.5
## 39	2000941	77	280	3	7.8
## 40	2000541	290	397	0	1.9
## 41	2000132	37	80	2	5.1
## 42	2000296	350	387	5	0.1
## 43	2000643	313	357	2	6.4
## 44	2000302	221	139	5	2.6
## 45	2000438	215	303	1	0.0
## 46	2000319	175	9	3	4.0
## 47	2000625	302	435	2	1.1
## 48	2000908	77	301	1	9.4
## 49	2000649	201	191	0	9.1
## 50	2000405	108	21	4	8.2
## 51	2000274	7	229	4	1.6
## 52	2000560	293	136	0	1.5
## 53	2000761	314	189	3	9.4
## 54	2000718	136	311	4	5.3
## 55	2000012	151	453	3	4.4
## 56	2000777	261	99	5	1.5
## 57	2000514	252	83	0	3.7
## 58	2000393	242	40	0	2.7
## 59	2000126	331	237	4	1.7
## 60	2000531	6	199	3	2.3
## 61	2000396	319	37	0	1.3
## 62	2000716	328	227	3	1.6
## 63	2000775	20	442	5	3.2
## 64	2000275	248	446	0	0.3
## 65	2000959	334	338	3	8.8
## 66	2000936	248	238	5	6.4
## 67	2000812	242	385	2	6.6
## 68	2000830	190	55	0	0.4
## 69	2000819	310	44	1	6.0
## 70	2000828	12	380	1	8.7
## 71	2000608	173	148	0	6.3
## 72	2000715	147	468	2	7.8
## 73	2000926	334	237	2	7.8

## 74	2000937	279	133	2	4.6
## 75	2000594	29	91	4	8.3
## 76	2000786	93	293	4	0.1
## 77	2000439	69	40	5	2.5
## 78	2000088	349	217	4	8.4
## 79	2000402	171	345	1	3.0
## 80	2000760	3	302	5	9.5
## 81	2000709	235	129	2	1.6
## 82	2000861	83	267	5	0.7
## 83	2000392	177	246	5	9.6
## 84	2000242	226	307	0	7.4
## 85	2000948	39	106	1	4.2
## 86	2000787	65	50	0	4.1
## 87	2000991	243	198	1	0.4
## 88	2000170	103	35	3	5.2
## 89	2000905	154	401	5	2.1
## 90	2000624	213	342	4	4.4
## 91	2000212	311	451	0	5.1
## 92	2000931	256	243	3	4.5
## 93	2000843	310	123	4	0.8
## 94	2000780	200	246	2	7.3
## 95	2000033	155	441	4	0.3
## 96	2000662	243	466	1	4.7
## 97	2000508	67	19	4	4.1
## 98	2000839	33	243	0	8.6
## 99	2000695	10	266	0	8.6
## 100	2000345	149	20	4	4.4
## 101	2000751	237	375	2	8.5
## 102	2000809	8	171	3	5.1
## 103	2000720	64	105	3	3.6
## 104	2000710	62	316	3	9.5
## 105	2000708	93	52	5	0.7
## 106	2000173	185	421	2	10.0
## 107	2000404	185	21	3	8.1
## 108	2000808	10	202	5	0.2
## 109	2000071	141	86	4	2.0
## 110	2000040	282	33	2	9.7
## 111	2000702	94	381	4	5.8
## 112	2000847	218	399	5	7.8
## 113	2000340	231	242	5	0.8
## 114	2000860	137	189	5	8.1
## 115	2000201	272	461	0	3.8
## 116	2000194	53	104	4	7.9
## 117	2000700	275	334	4	3.1
## 118	2000737	159	66	1	4.4
## 119	2000999	262	437	2	4.2
## 120	2000342	16	251	1	4.1
## 121	2000216	283	374	5	9.4
## 122	2000051	17	391	0	3.1
## 123	2000415	87	88	4	1.8
## 124	2000956	334	344	4	7.1
## 125	2000028	245	479	1	8.5
## 126	2000229	221	325	3	3.0
## 127	2000713	250	106	0	0.3

## 128	2000426	190	456	4	3.8
## 129	2000338	340	213	0	0.5
## 130	2000636	148	55	1	7.3
## 131	2000896	12	274	5	3.5
## 132	2000483	120	422	4	8.3
## 133	2000628	39	152	5	7.0
## 134	2000164	56	74	3	2.3
## 135	2000854	46	449	4	2.8
## 136	2000411	263	327	0	2.3
## 137	2000455	105	434	5	2.7
## 138	2000060	296	97	2	2.6
## 139	2000612	57	489	2	5.5
## 140	2000942	161	230	5	3.2
## 141	2000481	252	280	4	8.2
## 142	2000871	90	332	3	5.9
## 143	2000391	350	264	0	5.8
## 144	2000878	102	437	0	4.5
## 145	2000357	236	279	5	1.7
## 146	2000900	176	148	4	9.5
## 147	2000081	47	134	2	8.3
## 148	2000919	238	249	2	2.7
## 149	2000294	334	154	0	9.1
## 150	2000495	177	108	2	8.4
## 151	2000423	264	132	4	3.2
## 152	2000799	8	399	3	0.9
## 153	2000515	11	114	4	2.7
## 154	2000500	236	229	2	10.0
## 155	2000123	241	426	2	2.7
## 156	2000410	98	494	0	9.3
## 157	2000489	16	165	3	1.7
## 158	2000537	156	439	0	9.4
## 159	2000109	42	404	2	9.8
## 160	2000443	315	435	1	4.2
## 161	2000916	199	167	1	6.2
## 162	2000457	312	326	0	0.4
## 163	2000685	174	290	3	1.9
## 164	2000067	10	89	3	4.6
## 165	2000876	285	23	5	7.4
## 166	2000739	217	99	2	7.4
## 167	2000902	44	333	3	9.5
## 168	2000011	217	403	1	5.5
## 169	2000512	233	216	2	7.1
## 170	2000292	347	174	5	2.8
## 171	2000940	39	328	0	0.8
## 172	2000493	248	189	1	5.4
## 173	2000486	332	140	2	0.9
## 174	2000724	127	491	0	5.4
## 175	2000207	43	391	4	5.2
## 176	2000921	251	277	1	2.3
## 177	2000303	288	238	0	5.8
## 178	2000910	283	399	2	6.2
## 179	2000572	327	337	4	6.3
## 180	2000046	277	479	2	6.0
## 181	2000230	346	247	0	4.5

## 182	2000816	77	402	4	0.4
## 183	2000251	216	372	1	6.1
## 184	2000210	289	385	0	8.9
## 185	2000602	9	1	0	2.6
## 186	2000003	71	72	3	0.4
## 187	2000019	150	57	4	1.6
## 188	2000025	170	191	0	8.9
## 189	2000182	98	238	4	0.4
## 190	2000898	94	215	0	2.4
## 191	2000488	239	110	5	5.1
## 192	2000037	61	404	3	2.7
## 193	2000544	274	344	0	6.3
## 194	2000241	178	22	2	9.2
## 195	2000144	170	434	3	6.4
## 196	2000511	322	68	0	7.4
## 197	2000680	52	61	5	2.8
## 198	2000346	330	12	4	6.9
## 199	2000747	216	410	5	4.2
## 200	2000499	320	92	0	9.1
## 201	2000223	308	289	2	8.2
## 202	2000096	13	165	1	6.5
## 203	2000859	297	490	4	6.3
## 204	2000399	46	459	4	1.3
## 205	2000874	182	243	0	2.3
## 206	2000923	143	341	4	9.3
## 207	2000826	46	42	2	9.9
## 208	2000584	337	388	0	8.3
## 209	2000350	4	42	5	3.8
## 210	2000063	318	49	1	5.2
## 211	2000661	60	434	4	7.4
## 212	2000435	58	242	2	6.7
## 213	2000903	267	354	1	7.4
## 214	2000899	163	374	1	6.8
## 215	2000674	14	444	0	3.9
## 216	2000670	78	46	1	1.0
## 217	2000133	101	322	5	4.5
## 218	2000613	42	217	3	0.1
## 219	2000699	92	442	1	7.3
## 220	2000283	298	296	5	5.0
## 221	2000659	84	473	1	9.4
## 222	2000829	317	431	3	7.6
## 223	2000473	144	21	2	2.6
## 224	2000638	194	180	0	3.7
## 225	2000800	161	243	2	5.8
## 226	2000298	46	322	0	2.4
## 227	2000429	306	252	3	0.3
## 228	2000205	314	445	3	8.8
## 229	2000374	20	89	3	9.0
## 230	2000888	109	187	1	5.1
## 231	2000663	334	364	0	6.4
## 232	2000604	295	65	0	0.3
## 233	2000497	15	337	2	3.9
## 234	2000863	41	191	4	8.5
## 235	2000015	8	132	5	6.5

## 236	2000789	236	152	3	6.6
## 237	2000823	90	408	3	5.0
## 238	2000832	102	487	3	2.8
## 239	2000145	113	408	0	6.2
## 240	2000719	108	140	2	9.7
## 241	2000924	225	87	5	2.1
## 242	2000265	214	176	2	6.0
## 243	2000945	76	467	3	7.2
## 244	2000918	58	372	3	1.7
## 245	2000430	206	398	3	6.3
## 246	2000655	235	452	3	8.9
## 247	2000127	10	335	2	4.4
## 248	2000057	281	78	3	1.6
## 249	2000622	51	493	1	5.1
## 250	2000384	299	460	5	9.7
## 251	2000781	11	215	2	6.8
## 252	2000385	92	454	0	3.1
## 253	2000266	8	273	5	4.6
## 254	2000152	297	14	0	2.8
## 255	2000526	152	4	4	3.6
## 256	2000401	215	105	3	0.7
## 257	2000932	203	126	5	4.0
## 258	2000083	279	24	1	6.9
## 259	2000082	109	137	0	7.8
## 260	2000195	348	55	2	0.9
## 261	2000855	27	230	4	9.6
## 262	2000461	93	246	2	0.0
## 263	2000138	190	308	3	2.5
## 264	2000590	57	138	0	9.9
## 265	2000099	19	67	2	5.4
## 266	2000583	122	361	3	3.0
## 267	2000227	137	225	2	5.9
## 268	2000967	110	214	4	2.7
## 269	2000946	65	277	4	0.4
## 270	2000822	102	423	0	9.0
## 271	2000353	288	99	2	1.2
## 272	2000589	252	27	4	0.3
## 273	2000232	261	323	2	1.9
## 274	2000814	81	447	3	4.3
## 275	2000178	178	370	4	5.1
## 276	2000031	170	60	3	6.6
## 277	2000837	11	233	3	5.1
## 278	2000460	24	355	4	3.3
## 279	2000095	280	220	3	6.5
## 280	2000750	154	484	2	5.6
## 281	2000367	254	100	3	6.5
## 282	2000642	160	358	5	4.8
## 283	2000725	93	97	1	2.6
## 284	2000682	243	283	4	1.7
## 285	2000795	96	162	1	6.5
## 286	2000815	308	395	1	2.0
## 287	2000373	190	85	5	9.7
## 288	2000765	100	300	1	5.2
## 289	2000293	186	84	3	5.3

## 290	2000467	160	122	2	7.9
## 291	2000523	17	221	4	6.3
## 292	2000581	74	258	5	2.8
## 293	2000349	274	280	5	4.3
## 294	2000807	127	142	5	1.7
## 295	2000856	53	303	0	4.1
## 296	2000618	36	405	2	3.2
## 297	2000980	254	262	5	5.1
## 298	2000419	50	178	5	6.3
## 299	2000108	236	189	0	2.0
## 300	2000131	36	371	3	2.0
## 301	2000372	163	405	2	2.5
## 302	2000369	117	219	1	6.5
## 303	2000973	110	152	3	8.6
## 304	2000513	11	462	4	6.9
## 305	2000883	140	278	3	4.6
## 306	2000269	23	434	1	4.7
## 307	2000681	299	2	5	5.4
## 308	2000784	135	247	1	7.2
## 309	2000666	110	362	1	9.3
## 310	2000703	232	323	3	6.2
## 311	2000007	300	177	4	2.0
## 312	2000496	335	492	2	6.3
## 313	2000427	340	159	4	8.4
## 314	2000289	192	63	3	5.5
## 315	2000587	314	150	2	6.8
## 316	2000507	154	391	0	7.9
## 317	2000836	118	9	3	5.1
## 318	2000972	92	88	3	4.5
## 319	2000370	35	339	5	1.2
## 320	2000140	112	31	5	7.4
## 321	2000376	48	265	3	9.6
## 322	2000327	36	390	4	2.2
## 323	2000148	164	15	4	1.5
## 324	2000113	174	294	4	5.4
## 325	2000796	205	394	4	7.3
## 326	2000199	337	88	3	2.8
## 327	2000729	328	463	0	3.3
## 328	2000935	106	373	1	5.4
## 329	2000297	19	273	5	5.9
## 330	2000556	309	67	4	9.2
## 331	2000817	294	77	3	7.3
## 332	2000600	346	498	0	8.2
## 333	2000022	162	70	1	5.0
## 334	2000250	226	304	1	2.7
## 335	2000635	129	435	3	5.7
## 336	2000821	157	327	3	6.4
## 337	2000990	59	164	5	5.3
## 338	2000029	84	488	0	9.1
## 339	2000044	316	308	4	2.3
## 340	2000502	293	364	4	7.2
## 341	2000104	108	375	3	5.4
## 342	2000785	229	252	1	3.2
## 343	2000783	3	469	4	9.9

## 344	2000634	97	54	2	5.2
## 345	2000557	70	395	0	6.4
## 346	2000264	203	201	3	7.4
## 347	2000407	132	473	5	4.3
## 348	2000172	293	288	3	5.9
## 349	2000654	103	308	1	7.3
## 350	2000039	178	183	1	0.9
## 351	2000323	306	277	5	6.4
## 352	2000989	137	283	4	5.1
## 353	2000575	272	32	1	7.4
## 354	2000285	274	498	3	6.4
## 355	2000913	128	252	2	1.9
## 356	2000135	310	225	0	5.7
## 357	2000184	128	375	3	9.4
## 358	2000006	221	202	0	7.5
## 359	2000831	73	423	4	2.6
## 360	2000092	33	112	3	4.7
## 361	2000841	212	429	5	5.2
## 362	2000776	125	97	5	1.8
## 363	2000873	93	140	4	6.6
## 364	2000181	298	75	1	8.8
## 365	2000381	254	331	4	3.0
## 366	2000794	19	106	1	7.5
## 367	2000656	266	43	5	8.8
## 368	2000141	338	368	3	0.3
## 369	2000354	163	62	1	3.7
## 370	2000309	118	125	5	0.4
## 371	2000588	60	147	2	7.1
## 372	2000811	43	356	2	2.9
## 373	2000290	175	493	1	8.8
## 374	2000089	225	114	4	4.1
## 375	2000772	55	329	3	0.3
## 376	2000306	112	3	5	5.4
## 377	2000834	50	173	2	8.5
## 378	2000200	33	498	1	1.1
## 379	2000538	215	309	2	5.4
## 380	2000852	126	74	3	9.8
## 381	2000835	180	408	5	6.4
## 382	2000322	292	495	4	6.2
## 383	2000484	20	26	5	3.6
## 384	2000187	280	364	2	3.7
## 385	2000492	130	154	5	8.8
## 386	2000267	22	36	0	8.5
## 387	2000657	31	353	0	3.5
## 388	2000254	23	312	2	1.8
## 389	2000992	209	426	3	3.6
## 390	2000915	273	14	2	9.1
## 391	2000255	152	376	4	2.3
## 392	2000225	214	201	0	1.0
## 393	2000930	35	48	2	8.3
## 394	2000128	347	142	1	5.4
## 395	2000341	65	174	5	10.0
## 396	2000982	163	478	2	2.0
## 397	2000792	165	365	4	2.1

## 398	2000907	220	353	0	0.4
## 399	2000344	322	177	3	6.3
## 400	2000790	308	276	5	8.9
## 401	2000130	83	111	0	8.6
## 402	2000687	162	406	1	4.1
## 403	2000371	348	448	4	4.2
## 404	2000048	326	297	0	0.3
## 405	2000038	72	141	1	7.6
## 406	2000904	149	328	3	3.9
## 407	2000328	210	467	3	9.4
## 408	2000389	100	266	1	4.9
## 409	2000901	52	40	0	9.7
## 410	2000307	272	401	1	6.2
## 411	2000245	134	428	3	4.3
## 412	2000577	248	428	2	1.5
## 413	2000627	17	165	0	1.9
## 414	2000740	129	138	1	6.7
## 415	2000551	188	480	4	9.9
## 416	2000955	256	401	4	7.9
## 417	2000336	72	83	3	8.6
## 418	2000668	339	407	1	4.7
## 419	2000313	46	242	0	1.5
## 420	2000085	286	213	2	7.1
## 421	2000074	47	113	2	7.0
## 422	2000987	332	485	4	3.0
## 423	2000530	227	21	2	3.6
## 424	2000978	33	68	0	3.2
## 425	2000752	112	18	2	5.5
## 426	2000644	73	82	5	2.0
## 427	2000149	317	428	5	7.0
## 428	2000534	141	109	3	4.0
## 429	2000466	178	377	4	2.4
## 430	2000077	277	143	0	1.8
## 431	2000966	342	307	3	9.7
## 432	2000712	63	436	3	6.9
## 433	2000335	141	445	0	8.4
## 434	2000160	61	140	0	3.0
## 435	2000480	294	149	0	6.1
## 436	2000920	207	69	3	4.7
## 437	2000368	215	310	3	1.5
## 438	2000325	155	353	4	1.1
## 439	2000586	305	2	5	4.1
## 440	2000465	289	120	0	6.7
## 441	2000284	342	55	1	1.3
## 442	2000052	200	215	5	8.3
## 443	2000017	42	416	4	6.0
## 444	2000975	89	121	5	6.7
## 445	2000420	158	42	1	6.3
## 446	2000310	132	357	2	9.9
## 447	2000757	124	197	2	9.4
## 448	2000315	29	444	1	3.3
## 449	2000933	170	233	4	2.3
## 450	2000069	47	486	5	6.1
## 451	2000684	197	494	4	6.6

## 452	2000768	6	325	2	5.8
## 453	2000159	197	294	0	2.2
## 454	2000042	89	205	3	2.6
## 455	2000818	90	104	0	4.9
## 456	2000880	13	365	1	7.3
## 457	2000845	175	145	0	6.4
## 458	2000045	207	33	0	6.0
## 459	2000970	35	455	0	4.5
## 460	2000803	103	185	0	5.1
## 461	2000746	23	135	4	4.0
## 462	2000116	293	120	5	8.0
## 463	2000237	333	406	0	4.8
## 464	2000798	87	73	5	2.2
## 465	2000726	33	169	5	4.9
## 466	2000097	265	343	3	9.3
## 467	2000569	133	401	4	5.7
## 468	2000421	178	443	3	5.4
## 469	2000018	175	406	5	8.7
## 470	2000311	109	199	2	3.6
## 471	2000478	4	172	2	8.5
## 472	2000983	298	404	1	8.0
## 473	2000364	261	95	4	8.9
## 474	2000366	289	209	3	8.4
## 475	2000697	173	70	3	1.0
## 476	2000580	198	270	0	5.9
## 477	2000005	151	333	3	1.9
## 478	2000732	116	266	3	5.1
## 479	2000969	234	59	3	7.9
## 480	2000771	28	318	4	5.8
## 481	2000623	30	274	0	2.7
## 482	2000291	232	235	5	6.1
## 483	2000728	22	340	5	7.0
## 484	2000387	14	249	0	3.8
## 485	2000692	217	448	2	7.1
## 486	2000188	67	90	0	6.0
## 487	2000234	155	197	5	2.3
## 488	2000463	320	301	2	4.5
## 489	2000714	206	424	2	6.0
## 490	2000603	122	119	5	4.4
## 491	2000532	69	32	0	8.4
## 492	2000268	338	468	2	9.1
## 493	2000806	316	191	0	4.1
## 494	2000672	180	404	1	6.1
## 495	2000276	127	191	2	5.8
## 496	2000105	271	331	0	6.4
## 497	2000756	253	114	1	5.5
## 498	2000202	282	178	5	9.7
## 499	2000238	150	106	4	6.2
## 500	2000332	253	291	0	3.1
## 501	2000432	105	201	0	5.1
## 502	2000505	226	394	2	1.1
## 503	2000693	345	359	2	7.1
## 504	2000848	270	500	0	1.9
## 505	2000174	162	466	1	1.7

## 506	2000548	14	406	3	7.6
## 507	2000596	29	407	0	8.1
## 508	2000993	41	99	4	2.7
## 509	2000491	237	342	2	1.9
## 510	2000833	176	418	0	9.4
## 511	2000362	193	187	0	0.0
## 512	2000562	240	151	2	6.2
## 513	2000151	348	143	1	2.0
## 514	2000825	195	384	4	9.2
## 515	2000652	280	88	2	2.9
## 516	2000774	350	357	4	5.6
## 517	2000671	38	46	0	2.7
## 518	2000576	220	84	1	8.2
## 519	2000965	172	95	1	1.0
## 520	2000984	101	320	5	2.4
## 521	2000571	214	386	1	1.4
## 522	2000597	317	90	4	3.8
## 523	2000320	239	207	0	3.0
## 524	2000036	135	48	1	9.0
## 525	2000882	98	66	4	0.0
## 526	2000120	155	404	1	7.3
## 527	2000474	291	257	3	2.2
## 528	2000147	334	186	3	3.1
## 529	2000395	70	183	3	5.4
## 530	2000024	120	198	0	9.1
## 531	2000870	46	111	0	6.5
## 532	2000121	178	129	0	6.1
## 533	2000611	312	15	0	1.5
## 534	2000977	315	319	5	7.4
## 535	2000191	222	331	2	8.6
## 536	2000458	89	421	4	5.5
## 537	2000468	70	98	5	7.4
## 538	2000753	282	441	4	5.2
## 539	2000592	317	2	4	7.0
## 540	2000047	217	424	5	3.0
## 541	2000068	127	498	2	5.0
## 542	2000142	91	259	5	4.2
## 543	2000547	112	258	2	1.5
## 544	2000386	328	495	4	4.2
## 545	2000163	178	343	3	3.3
## 546	2000793	213	92	5	9.8
## 547	2000175	102	187	1	8.3
## 548	2000865	181	59	0	6.1
## 549	2000664	273	365	1	8.1
## 550	2000951	207	364	5	0.1
## 551	2000853	251	221	3	5.8
## 552	2000446	331	112	0	1.5
## 553	2000731	182	411	5	7.4
## 554	2000704	28	396	5	3.3
## 555	2000271	263	290	0	8.2
## 556	2000721	267	401	5	6.5
## 557	2000738	284	292	5	8.3
## 558	2000114	95	378	0	8.6
## 559	2000868	119	427	1	2.0

## 560	2000591	89	88	1	4.7
## 561	2000890	242	235	2	9.6
## 562	2000280	303	241	3	3.8
## 563	2000678	218	186	3	2.3
## 564	2000221	72	191	5	0.2
## 565	2000996	128	458	0	9.6
## 566	2000215	119	255	4	5.0
## 567	2000535	174	342	1	1.6
## 568	2000944	61	382	4	1.0
## 569	2000348	125	469	2	9.0
## 570	2000994	97	267	1	4.8
## 571	2000305	276	20	3	8.9
## 572	2000448	328	202	1	9.8
## 573	2000988	239	281	3	6.4
## 574	2000578	163	326	5	4.1
## 575	2000192	9	161	1	5.1
## 576	2000054	200	164	1	8.0
## 577	2000110	24	340	0	3.9
## 578	2000155	94	234	0	3.3
## 579	2000118	247	315	3	2.5
## 580	2000442	188	8	4	6.8
## 581	2000605	114	238	2	0.9
## 582	2000359	90	283	0	4.8
## 583	2000741	81	289	0	9.2
## 584	2000190	292	229	5	4.4
## 585	2000153	148	306	0	9.5
## 586	2000961	202	399	2	10.0
## 587	2000027	259	52	3	3.2
## 588	2000887	318	52	3	1.0
## 589	2000100	311	108	4	5.9
## 590	2000288	179	329	3	8.6
## 591	2000766	99	28	0	7.4
## 592	2000631	161	482	0	0.1
## 593	2000769	144	166	0	0.8
## 594	2000169	170	152	3	8.1
## 595	2000510	264	432	5	1.4
## 596	2000167	14	263	5	6.2
## 597	2000546	146	117	1	5.7
## 598	2000103	188	438	0	2.9
## 599	2000554	197	174	0	0.5
## 600	2000609	236	172	2	3.5
## 601	2000312	64	40	1	8.1
## 602	2000533	336	233	3	2.0
## 603	2000286	229	76	5	6.4
## 604	2000824	120	372	1	1.7
## 605	2000055	326	39	0	9.9
## 606	2000564	346	282	0	2.0
## 607	2000023	10	473	5	1.6
## 608	2000667	233	227	3	4.9
## 609	2000585	128	96	1	0.0
## 610	2000911	306	136	0	3.9
## 611	2000183	2	378	4	4.8
## 612	2000331	335	200	1	2.9
## 613	2000968	69	22	1	8.9

## 614	2000846	48	224	2	0.6
## 615	2000558	312	249	0	2.6
## 616	2000683	170	270	2	8.8
## 617	2000504	135	160	0	5.8
## 618	2000256	238	197	4	8.0
## 619	2000621	171	44	5	4.4
## 620	2000204	26	355	4	2.3
## 621	2000679	40	244	5	9.4
## 622	2000727	319	69	5	7.7
## 623	2000222	307	311	3	2.2
## 624	2000403	136	456	3	6.2
## 625	2000379	263	102	3	1.4
## 626	2000270	37	117	3	7.9
## 627	2000689	228	488	4	2.3
## 628	2000549	45	257	5	7.0
## 629	2000782	278	32	0	5.4
## 630	2000864	256	475	4	2.9
## 631	2000358	32	116	4	1.9
## 632	2000566	239	237	0	3.7
## 633	2000877	7	111	1	3.3
## 634	2000406	198	390	3	9.5
## 635	2000058	107	350	2	4.6
## 636	2000648	331	138	4	5.9
## 637	2000218	291	440	1	6.7
## 638	2001000	116	427	4	5.0
## 639	2000185	18	205	0	5.6
## 640	2000244	208	422	0	5.9
## 641	2000950	269	161	5	1.2
## 642	2000762	19	477	0	4.1
## 643	2000228	210	162	1	9.0
## 644	2000842	253	93	5	6.7
## 645	2000197	206	461	3	5.5
## 646	2000002	68	231	4	7.6
## 647	2000394	273	222	1	7.9
## 648	2000503	341	330	3	2.3
## 649	2000009	5	209	2	8.8
## 650	2000032	111	257	2	7.4
## 651	2000193	300	29	5	2.8
## 652	2000810	157	288	3	6.4
## 653	2000749	189	65	1	4.7
## 654	2000717	303	414	4	4.8
## 655	2000742	139	421	3	0.8
## 656	2000476	327	453	1	5.3
## 657	2000171	281	260	1	5.6
## 658	2000734	8	443	4	6.9
## 659	2000079	304	317	5	6.2
## 660	2000997	217	227	5	7.6
## 661	2000849	35	112	2	7.8
## 662	2000417	70	460	4	6.7
## 663	2000324	45	184	0	0.2
## 664	2000162	180	308	2	0.7
## 665	2000593	281	19	3	3.7
## 666	2000087	49	166	2	1.0
## 667	2000150	145	348	0	6.8

## 668	2000542	244	211	5	3.9
## 669	2000014	265	39	2	4.0
## 670	2000561	166	404	4	4.3
## 671	2000527	241	183	0	1.4
## 672	2000124	81	489	0	5.7
## 673	2000010	31	306	1	3.6
## 674	2000744	234	298	3	8.3
## 675	2000198	219	259	0	6.8
## 676	2000570	309	214	5	3.4
## 677	2000080	298	64	0	3.0
## 678	2000851	217	265	0	7.0
## 679	2000260	271	333	1	5.5
## 680	2000220	112	271	0	0.2
## 681	2000521	198	468	2	6.0
## 682	2000454	134	110	4	0.2
## 683	2000974	32	400	0	5.4
## 684	2000107	148	156	2	7.2
## 685	2000186	168	287	2	0.3
## 686	2000601	336	259	1	1.9
## 687	2000453	321	314	0	7.8
## 688	2000827	17	294	4	9.1
## 689	2000516	289	479	0	4.0
## 690	2000615	126	118	1	8.4
## 691	2000979	290	181	5	0.9
## 692	2000958	344	54	2	6.2
## 693	2000686	47	225	5	4.5
## 694	2000231	162	409	2	2.4
## 695	2000196	94	480	3	3.7
## 696	2000233	208	207	3	3.0
## 697	2000262	323	490	1	4.2
## 698	2000001	211	25	4	4.1
## 699	2000885	19	226	4	5.1
## 700	2000330	1	452	4	4.2
## 701	2000743	330	84	5	0.0
## 702	2000962	339	181	2	8.9
## 703	2000675	39	190	3	5.3
## 704	2000180	251	80	3	3.1
## 705	2000479	139	68	3	3.1
## 706	2000650	90	291	4	4.9
## 707	2000745	54	355	3	9.4
## 708	2000343	228	426	1	3.4
## 709	2000041	285	403	4	5.3
## 710	2000413	318	500	1	6.4
## 711	2000773	167	228	3	8.6
## 712	2000119	309	91	5	6.4
## 713	2000947	285	62	1	9.1
## 714	2000035	206	272	0	9.9
## 715	2000115	152	437	2	0.5
## 716	2000922	134	121	3	1.8
## 717	2000573	194	84	1	5.9
## 718	2000422	159	347	4	0.0
## 719	2000469	87	185	5	3.8
## 720	2000891	139	163	4	4.6
## 721	2000165	10	379	0	10.0

## 722	2000755	111	360	3	0.4
## 723	2000279	195	174	2	6.9
## 724	2000134	333	307	5	4.9
## 725	2000875	294	139	0	5.7
## 726	2000779	317	165	3	3.7
## 727	2000436	329	451	5	0.3
## 728	2000363	45	140	5	7.1
## 729	2000412	115	245	2	9.3
## 730	2000326	329	434	3	3.1
## 731	2000136	112	229	4	9.4
## 732	2000559	347	37	3	8.3
## 733	2000434	306	96	0	1.5
## 734	2000690	148	96	3	4.9
## 735	2000582	294	431	3	7.2
## 736	2000805	10	351	5	0.5
## 737	2000894	151	227	2	4.7
## 738	2000179	100	367	1	6.0
## 739	2000673	342	461	5	6.7
## 740	2000565	117	34	0	2.5
## 741	2000146	154	20	4	7.0
## 742	2000658	187	29	1	4.7
## 743	2000804	229	40	2	6.5
## 744	2000102	189	324	5	4.4
## 745	2000263	7	498	2	4.2
## 746	2000217	107	419	4	5.0
## 747	2000862	297	163	3	0.2
## 748	2000166	254	301	2	7.4
## 749	2000061	28	352	0	2.2
## 750	2000416	285	271	4	5.6
## 751	2000722	25	448	3	8.3
## 752	2000452	30	300	2	1.2
## 753	2000960	175	46	5	8.4
## 754	2000857	31	226	3	2.1
## 755	2000106	309	203	5	0.1
## 756	2000912	261	106	4	9.5
## 757	2000433	266	380	0	3.7
## 758	2000034	25	181	5	7.8
## 759	2000176	166	429	2	0.9
## 760	2000355	8	113	1	4.4
## 761	2000471	36	431	1	1.6
## 762	2000431	155	410	1	1.8
## 763	2000258	348	467	3	8.9
## 764	2000098	203	481	1	9.6
## 765	2000470	144	2	3	2.8
## 766	2000213	342	326	4	6.8
## 767	2000056	218	216	3	7.2
## 768	2000398	54	436	0	5.6
## 769	2000691	329	357	0	6.7
## 770	2000778	21	47	4	7.5
## 771	2000122	48	465	4	7.0
## 772	2000813	296	170	0	3.3
## 773	2000449	221	212	4	2.8
## 774	2000261	121	333	5	6.3
## 775	2000062	337	35	3	4.2

## 776	2000895	347	187	5	0.7
## 777	2000428	256	397	4	8.2
## 778	2000838	269	197	3	7.5
## 779	2000161	130	448	5	6.4
## 780	2000093	133	255	4	5.1
## 781	2000111	26	170	1	4.4
## 782	2000730	305	31	0	3.1
## 783	2000243	235	484	2	1.8
## 784	2000610	123	245	5	5.2
## 785	2000706	210	153	2	1.5
## 786	2000651	96	217	0	2.5
## 787	2000203	267	51	2	2.6
## 788	2000579	251	431	1	7.6
## 789	2000867	5	234	5	2.4
## 790	2000893	145	141	1	7.0
## 791	2000365	150	34	2	4.4
## 792	2000246	42	108	4	2.8
## 793	2000020	9	23	0	3.4
## 794	2000351	294	334	0	6.1
## 795	2000383	170	137	3	0.1
## 796	2000352	145	353	1	3.4
## 797	2000447	158	6	2	6.5
## 798	2000482	27	65	4	1.9
## 799	2000723	331	200	1	5.9
## 800	2000802	310	213	0	1.5
## 801	2000030	176	224	1	0.9
## 802	2000206	106	254	0	1.5
## 803	2000976	45	492	2	4.3
## 804	2000934	342	145	0	4.5
## 805	2000519	60	404	5	0.4
## 806	2000301	109	241	5	6.5
## 807	2000917	170	93	5	8.1
## 808	2000669	279	84	1	7.0
## 809	2000567	33	41	0	5.1
## 810	2000084	193	43	0	2.1
## 811	2000450	10	206	4	9.8
## 812	2000632	140	347	5	7.6
## 813	2000281	144	395	5	6.2
## 814	2000409	122	31	5	2.2
## 815	2000064	205	248	3	5.8
## 816	2000954	218	108	0	8.8
## 817	2000522	297	26	4	2.2
## 818	2000247	141	26	4	9.8
## 819	2000897	142	350	1	4.3
## 820	2000820	67	200	0	6.4
## 821	2000952	25	117	5	3.1
## 822	2000026	83	188	4	4.6
## 823	2000886	25	327	0	3.4
## 824	2000347	245	102	0	3.3
## 825	2000400	167	395	3	0.2
## 826	2000334	216	69	5	2.5
## 827	2000043	115	211	4	9.9
## 828	2000287	21	204	3	2.5
## 829	2000375	335	292	3	2.5

## 830	2000552	173	178	0	1.3
## 831	2000329	323	442	4	2.7
## 832	2000892	266	322	4	3.8
## 833	2000408	152	391	2	8.2
## 834	2000418	59	404	1	9.7
## 835	2000209	225	449	1	4.8
## 836	2000606	306	457	4	5.9
## 837	2000646	112	420	0	8.1
## 838	2000249	65	340	1	7.3
## 839	2000733	211	19	3	7.1
## 840	2000086	107	5	2	7.0
## 841	2000599	160	485	0	6.5
## 842	2000872	340	350	3	9.4
## 843	2000139	140	94	0	5.3
## 844	2000707	350	230	0	1.8
## 845	2000770	294	140	5	2.8
## 846	2000053	205	64	5	0.7
## 847	2000472	14	250	5	7.5
## 848	2000424	343	303	0	5.0
## 849	2000884	88	107	0	8.6
## 850	2000524	216	369	2	0.8
## 851	2000390	145	53	1	1.2
## 852	2000143	44	71	1	6.1
## 853	2000117	180	460	3	7.2
## 854	2000224	255	195	4	8.7
## 855	2000317	85	154	5	4.9
## 856	2000801	225	207	0	2.2
## 857	2000189	350	56	2	5.8
## 858	2000925	298	157	4	1.1
## 859	2000759	38	423	5	1.3
## 860	2000545	54	103	0	7.6
## 861	2000927	18	136	5	7.5
## 862	2000688	238	106	3	7.8
## 863	2000640	22	155	2	5.7
## 864	2000509	5	476	2	7.4
## 865	2000767	84	496	5	1.8
## 866	2000881	2	187	0	7.5
## 867	2000995	93	389	4	1.1
## 868	2000539	131	95	0	4.3
## 869	2000633	244	19	2	5.3
## 870	2000850	146	316	3	0.9
## 871	2000236	284	398	1	2.7
## 872	2000866	206	73	3	0.1
## 873	2000494	327	339	1	2.6
## 874	2000021	273	273	4	1.5
## 875	2000629	296	258	1	8.6
## 876	2000840	300	168	2	3.8
## 877	2000437	303	408	3	4.1
## 878	2000626	64	301	5	0.7
## 879	2000337	299	96	3	4.9
## 880	2000986	232	296	3	0.1
## 881	2000277	39	275	4	5.4
## 882	2000382	184	76	3	0.5
## 883	2000616	245	123	1	0.2

## 884	2000929	155	143	3	5.6
## 885	2000763	115	153	4	6.6
## 886	2000257	320	183	0	4.8
## 887	2000388	28	200	2	5.8
## 888	2000595	304	21	0	3.8
## 889	2000938	221	329	0	8.3
## 890	2000013	90	279	4	8.8
## 891	2000425	130	236	0	1.7
## 892	2000788	108	309	4	10.0
## 893	2000008	160	154	2	3.8
## 894	2000694	38	174	5	4.9
## 895	2000278	37	44	0	4.0
## 896	2000748	81	278	2	1.9
## 897	2000981	22	226	1	1.2
## 898	2000075	146	63	0	9.9
## 899	2000273	331	437	0	9.0
## 900	2000660	60	32	1	6.7
## 901	2000498	305	340	5	5.7
## 902	2000214	143	484	5	3.7
## 903	2000321	86	443	1	4.7
## 904	2000485	74	300	0	0.3
## 905	2000607	208	117	5	3.3
## 906	2000939	107	65	4	7.6
## 907	2000475	274	472	3	4.3
## 908	2000630	144	314	0	4.9
## 909	2000754	240	474	0	9.3
## 910	2000487	187	235	4	7.6
## 911	2000506	114	136	2	1.5
## 912	2000529	59	12	4	4.9
## 913	2000137	81	496	4	2.9
## 914	2000308	133	133	4	6.9
## 915	2000129	189	167	5	3.7
## 916	2000456	299	192	0	1.4
## 917	2000462	96	89	5	1.5
## 918	2000076	158	90	2	8.6
## 919	2000445	171	149	0	2.1
## 920	2000295	236	373	1	0.9
## 921	2000953	241	297	5	8.3
## 922	2000090	314	397	0	0.4
## 923	2000050	53	294	5	3.5
## 924	2000490	66	335	1	0.8
## 925	2000441	166	207	5	6.6
## 926	2000677	73	85	1	6.9
## 927	2000078	282	300	2	3.4
## 928	2000528	121	423	5	3.2
## 929	2000091	324	146	0	5.4
## 930	2000543	226	413	0	7.4
## 931	2000963	213	197	4	1.7
## 932	2000333	218	257	2	0.4
## 933	2000568	117	406	0	8.4
## 934	2000253	323	456	0	0.5
## 935	2000614	231	296	5	8.1
## 936	2000070	84	293	2	0.3
## 937	2000339	324	395	0	5.5

## 938	2000518	330	120	0	9.1
## 939	2000065	161	202	0	6.8
## 940	2000211	172	367	5	8.4
## 941	2000177	150	40	5	9.2
## 942	2000735	249	261	2	0.2
## 943	2000906	305	309	0	2.4
## 944	2000639	141	51	3	0.2
## 945	2000914	232	49	4	5.2
## 946	2000653	128	335	5	9.7
## 947	2000858	292	370	1	1.7
## 948	2000563	318	357	5	1.9
## 949	2000555	327	442	2	6.2
## 950	2000101	281	146	0	8.5
## 951	2000791	212	78	1	3.4
## 952	2000168	67	91	1	4.6
## 953	2000676	304	387	4	0.9
## 954	2000758	156	148	3	1.4
## 955	2000239	290	303	1	9.9
## 956	2000459	258	495	3	4.8
## 957	2000248	264	280	0	2.8
## 958	2000235	98	315	5	4.0
## 959	2000073	60	430	2	9.6
## 960	2000943	137	60	5	9.9
## 961	2000574	147	428	5	4.3
## 962	2000300	249	485	5	9.9
## 963	2000316	278	267	1	3.5
## 964	2000397	46	125	2	0.0
## 965	2000525	286	38	5	0.4
## 966	2000598	56	284	3	8.1
## 967	2000156	284	53	4	7.1
## 968	2000314	194	22	0	4.7
## 969	2000378	216	435	1	0.9
## 970	2000550	167	184	4	9.9
## 971	2000360	306	79	1	9.2
## 972	2000928	274	284	0	1.1
## 973	2000299	141	386	2	5.1
## 974	2000208	323	332	4	3.6
## 975	2000797	54	31	3	9.6
## 976	2000736	133	414	5	4.1
## 977	2000252	206	394	3	2.7
## 978	2000066	289	455	5	9.6
## 979	2000964	295	143	2	8.5
## 980	2000414	226	178	2	5.6
## 981	2000501	283	464	1	7.5
## 982	2000764	7	231	2	6.5
## 983	2000158	36	416	3	5.4
## 984	2000844	131	289	5	6.5
## 985	2000219	209	307	3	9.0
## 986	2000016	236	403	1	8.2
## 987	2000440	158	279	1	2.9
## 988	2000645	305	477	3	9.6
## 989	2000641	210	32	0	2.4
## 990	2000540	301	47	4	7.3
## 991	2000125	23	143	0	5.3

## 992	2000909	223	282	5	9.3
## 993	2000318	308	68	5	9.6
## 994	2000711	248	269	2	8.4
## 995	2000464	95	469	0	9.8
## 996	2000154	2	19	0	7.3
## 997	2000377	163	497	4	1.4
## 998	2000304	167	210	3	7.2
## 999	2000380	208	430	4	3.4
## 1000	2000637	260	490	1	9.0
##	Research.Interest	Maths.Score	English.Score	CS.Score	TOEFL.Score2
## 1	0	134	330	344	78.4
## 2	1	23	5	301	328.3
## 3	1	48	318	128	57.4
## 4	1	71	327	266	151.2
## 5	0	104	19	245	65.1
## 6	1	281	247	306	336.7
## 7	0	58	333	105	55.3
## 8	1	271	247	49	158.9
## 9	1	192	241	197	25.2
## 10	0	7	189	34	173.6
## 11	0	40	309	341	109.2
## 12	1	107	11	242	280.7
## 13	0	23	172	122	301.7
## 14	0	185	146	245	40.6
## 15	0	106	333	18	91.0
## 16	1	183	278	242	158.2
## 17	0	225	28	265	13.3
## 18	1	152	92	19	71.4
## 19	0	111	68	170	349.3
## 20	1	239	348	104	65.1
## 21	1	188	170	315	153.3
## 22	0	156	2	51	308.7
## 23	1	4	234	20	121.1
## 24	0	258	82	201	173.6
## 25	0	93	176	85	74.2
## 26	0	3	225	32	345.1
## 27	0	28	38	241	266.7
## 28	0	131	64	188	85.4
## 29	0	295	242	103	109.2
## 30	0	130	102	333	58.1
## 31	0	301	153	65	306.6
## 32	0	318	212	250	256.2
## 33	0	112	310	87	64.4
## 34	1	136	255	343	259.7
## 35	1	273	309	324	240.1
## 36	0	47	199	105	263.9
## 37	0	248	154	212	165.9
## 38	0	205	242	54	177.1
## 39	0	11	66	273	196.0
## 40	1	264	32	151	277.9
## 41	0	1	9	73	56.0
## 42	0	125	148	326	270.9
## 43	0	18	236	96	249.9
## 44	0	203	7	229	97.3

## 45	0	262	63	279	212.1
## 46	1	274	61	331	6.3
## 47	1	295	92	263	304.5
## 48	1	295	184	278	210.7
## 49	1	299	184	147	133.7
## 50	0	317	9	133	14.7
## 51	0	306	140	248	160.3
## 52	1	315	281	153	95.2
## 53	1	95	93	107	132.3
## 54	1	202	217	131	217.7
## 55	0	274	230	113	317.1
## 56	0	81	136	228	69.3
## 57	0	273	271	164	58.1
## 58	1	87	52	166	28.0
## 59	1	247	274	325	165.9
## 60	1	196	158	289	139.3
## 61	1	348	261	88	25.9
## 62	0	241	15	22	158.9
## 63	0	248	282	98	309.4
## 64	1	274	16	332	312.2
## 65	1	58	86	215	236.6
## 66	0	169	333	173	166.6
## 67	0	111	244	327	269.5
## 68	0	211	220	188	38.5
## 69	0	315	249	139	30.8
## 70	1	330	189	276	266.0
## 71	1	267	339	237	103.6
## 72	1	32	147	336	327.6
## 73	1	149	11	246	165.9
## 74	0	326	119	0	93.1
## 75	0	182	38	71	63.7
## 76	1	344	55	56	205.1
## 77	0	238	45	190	28.0
## 78	0	296	262	237	151.9
## 79	0	207	104	214	241.5
## 80	0	197	295	109	211.4
## 81	1	195	56	343	90.3
## 82	0	172	160	21	186.9
## 83	1	295	251	67	172.2
## 84	1	70	89	60	214.9
## 85	1	39	349	11	74.2
## 86	1	189	101	91	35.0
## 87	1	334	235	288	138.6
## 88	0	339	175	164	24.5
## 89	0	347	46	242	280.7
## 90	0	200	237	340	239.4
## 91	1	193	333	41	315.7
## 92	1	187	176	41	170.1
## 93	0	224	263	48	86.1
## 94	0	341	7	241	172.2
## 95	1	215	10	45	308.7
## 96	0	50	235	321	326.2
## 97	0	27	240	216	13.3
## 98	0	228	97	295	170.1

## 99	1	200	15	20	186.2
## 100	1	337	155	179	14.0
## 101	1	123	41	242	262.5
## 102	1	195	314	321	119.7
## 103	0	115	198	251	73.5
## 104	0	163	311	88	221.2
## 105	1	341	173	186	36.4
## 106	0	59	9	64	294.7
## 107	1	99	284	336	14.7
## 108	0	125	216	190	141.4
## 109	0	123	43	131	60.2
## 110	1	238	216	151	23.1
## 111	0	80	232	139	266.7
## 112	0	125	346	86	279.3
## 113	0	293	38	175	169.4
## 114	0	286	247	334	132.3
## 115	0	2	331	77	322.7
## 116	1	122	126	214	72.8
## 117	0	24	42	272	233.8
## 118	1	108	250	13	46.2
## 119	0	248	287	3	305.9
## 120	0	172	282	104	175.7
## 121	0	66	326	125	261.8
## 122	1	27	276	23	273.7
## 123	0	226	345	136	61.6
## 124	0	338	76	54	240.8
## 125	1	182	215	229	335.3
## 126	0	10	288	245	227.5
## 127	0	346	8	307	74.2
## 128	1	291	70	137	319.2
## 129	0	211	149	66	149.1
## 130	0	206	169	224	38.5
## 131	1	247	97	213	191.8
## 132	1	302	93	276	295.4
## 133	0	211	238	98	106.4
## 134	1	327	60	26	51.8
## 135	0	59	273	322	314.3
## 136	1	45	177	59	228.9
## 137	1	229	169	232	303.8
## 138	0	316	321	219	67.9
## 139	0	303	51	99	342.3
## 140	1	250	329	96	161.0
## 141	0	209	215	282	196.0
## 142	1	89	319	161	232.4
## 143	1	2	307	84	184.8
## 144	0	18	12	299	305.9
## 145	1	24	296	83	195.3
## 146	0	181	45	121	103.6
## 147	0	207	181	220	93.8
## 148	0	36	142	257	174.3
## 149	1	321	45	279	107.8
## 150	0	296	336	141	75.6
## 151	0	31	3	302	92.4
## 152	0	240	317	261	279.3

## 153	1	143	59	177	79.8
## 154	1	167	57	188	160.3
## 155	0	345	266	218	298.2
## 156	0	234	162	151	345.8
## 157	0	222	13	277	115.5
## 158	0	95	77	1	307.3
## 159	0	301	100	246	282.8
## 160	0	123	41	322	304.5
## 161	1	316	91	176	116.9
## 162	1	200	297	158	228.2
## 163	1	87	83	62	203.0
## 164	0	206	316	149	62.3
## 165	1	71	143	8	16.1
## 166	0	349	193	87	69.3
## 167	0	62	160	338	233.1
## 168	0	148	45	30	282.1
## 169	1	36	305	264	151.2
## 170	0	161	313	14	121.8
## 171	1	157	19	293	229.6
## 172	1	132	108	87	132.3
## 173	1	100	333	272	98.0
## 174	1	186	294	66	343.7
## 175	0	282	14	76	273.7
## 176	0	146	40	69	193.9
## 177	0	125	7	303	166.6
## 178	0	222	235	326	279.3
## 179	0	297	89	163	235.9
## 180	0	204	101	307	335.3
## 181	0	339	112	251	172.9
## 182	1	350	107	53	281.4
## 183	1	304	224	200	260.4
## 184	0	150	213	287	269.5
## 185	0	91	75	307	0.7
## 186	0	59	57	182	50.4
## 187	1	14	205	276	39.9
## 188	0	211	234	282	133.7
## 189	1	144	9	31	166.6
## 190	1	206	280	251	150.5
## 191	1	264	50	224	77.0
## 192	1	125	298	201	282.8
## 193	0	142	10	111	240.8
## 194	0	126	91	96	15.4
## 195	0	56	7	139	303.8
## 196	1	109	296	74	47.6
## 197	1	282	151	330	42.7
## 198	0	265	214	105	8.4
## 199	1	151	202	42	287.0
## 200	1	13	278	61	64.4
## 201	1	89	108	124	202.3
## 202	1	259	347	146	115.5
## 203	0	82	26	113	343.0
## 204	0	81	92	328	321.3
## 205	0	194	350	2	170.1
## 206	1	137	189	172	238.7

## 207	1	77	56	308	29.4
## 208	0	98	18	73	271.6
## 209	0	70	121	25	29.4
## 210	0	226	136	153	34.3
## 211	0	258	109	35	303.8
## 212	1	258	64	311	169.4
## 213	0	308	101	13	247.8
## 214	0	11	287	200	261.8
## 215	0	59	251	47	310.8
## 216	1	76	260	141	32.2
## 217	1	231	80	173	225.4
## 218	1	18	177	176	151.9
## 219	1	177	169	275	309.4
## 220	1	30	10	110	207.2
## 221	0	66	23	296	331.1
## 222	1	94	279	140	301.7
## 223	0	282	153	327	14.7
## 224	0	129	253	265	126.0
## 225	0	30	159	39	170.1
## 226	1	169	92	164	225.4
## 227	0	87	242	137	176.4
## 228	0	2	95	82	311.5
## 229	1	288	307	241	62.3
## 230	0	207	189	212	130.9
## 231	1	292	99	112	254.8
## 232	0	10	185	20	45.5
## 233	0	68	159	67	235.9
## 234	0	248	16	17	133.7
## 235	1	348	73	81	92.4
## 236	0	240	273	108	106.4
## 237	0	105	126	142	285.6
## 238	0	50	52	306	340.9
## 239	0	107	35	139	285.6
## 240	1	344	253	148	98.0
## 241	0	130	49	68	60.9
## 242	1	305	235	309	123.2
## 243	1	111	35	1	326.9
## 244	1	0	162	119	260.4
## 245	0	77	116	54	278.6
## 246	0	268	109	214	316.4
## 247	1	168	10	120	234.5
## 248	0	294	139	41	54.6
## 249	0	132	22	196	345.1
## 250	1	153	298	232	322.0
## 251	1	6	134	324	150.5
## 252	1	288	109	293	317.8
## 253	0	74	231	204	191.1
## 254	0	27	299	103	9.8
## 255	0	239	334	144	2.8
## 256	0	139	339	32	73.5
## 257	1	326	191	184	88.2
## 258	1	221	313	134	16.8
## 259	1	147	153	119	95.9
## 260	1	285	117	72	38.5

## 261	1	302	91	168	161.0
## 262	1	275	34	342	172.2
## 263	1	112	111	198	215.6
## 264	1	198	47	171	96.6
## 265	0	76	35	94	46.9
## 266	0	295	163	208	252.7
## 267	1	296	173	69	157.5
## 268	1	43	204	269	149.8
## 269	1	209	336	332	193.9
## 270	1	221	327	265	296.1
## 271	1	87	105	58	69.3
## 272	0	21	18	317	18.9
## 273	1	249	308	273	226.1
## 274	1	122	293	234	312.9
## 275	1	45	345	339	259.0
## 276	1	271	161	248	42.0
## 277	1	28	225	89	163.1
## 278	0	43	128	196	248.5
## 279	1	312	156	300	154.0
## 280	1	103	58	118	338.8
## 281	1	209	83	31	70.0
## 282	1	100	315	190	250.6
## 283	0	121	292	190	67.9
## 284	1	44	107	330	198.1
## 285	1	263	228	113	113.4
## 286	0	171	2	177	276.5
## 287	0	284	96	105	59.5
## 288	1	38	69	290	210.0
## 289	0	322	202	200	58.8
## 290	0	312	131	98	85.4
## 291	0	62	292	341	154.7
## 292	0	284	102	186	180.6
## 293	0	169	177	150	196.0
## 294	0	134	305	142	99.4
## 295	0	248	136	87	212.1
## 296	0	183	271	45	283.5
## 297	1	5	273	83	183.4
## 298	0	291	127	94	124.6
## 299	1	304	309	319	132.3
## 300	1	91	127	89	259.7
## 301	1	157	220	206	283.5
## 302	1	315	72	47	153.3
## 303	0	222	32	65	106.4
## 304	1	252	211	256	323.4
## 305	1	180	124	185	194.6
## 306	1	256	92	182	303.8
## 307	0	206	297	197	1.4
## 308	1	189	253	110	172.9
## 309	1	290	18	128	253.4
## 310	0	270	265	14	226.1
## 311	1	44	337	318	123.9
## 312	1	336	162	330	344.4
## 313	1	140	117	97	111.3
## 314	1	308	59	1	44.1

## 315	0	75	42	258	105.0
## 316	0	223	174	257	273.7
## 317	1	289	224	342	6.3
## 318	1	88	54	91	61.6
## 319	1	305	111	186	237.3
## 320	1	268	49	58	21.7
## 321	0	199	32	220	185.5
## 322	0	25	214	111	273.0
## 323	0	293	125	289	10.5
## 324	1	235	179	291	205.8
## 325	1	321	291	87	275.8
## 326	1	186	19	234	61.6
## 327	1	258	279	240	324.1
## 328	1	266	129	185	261.1
## 329	0	44	21	190	191.1
## 330	0	253	30	254	46.9
## 331	1	281	22	341	53.9
## 332	1	114	208	266	348.6
## 333	1	36	272	19	49.0
## 334	0	254	151	201	212.8
## 335	1	224	213	280	304.5
## 336	0	261	34	325	228.9
## 337	1	95	346	160	114.8
## 338	0	140	64	163	341.6
## 339	0	127	162	339	215.6
## 340	1	340	164	233	254.8
## 341	0	118	219	314	262.5
## 342	1	111	321	7	176.4
## 343	0	349	307	237	328.3
## 344	1	160	82	282	37.8
## 345	0	138	161	288	276.5
## 346	1	221	347	228	140.7
## 347	1	209	325	305	331.1
## 348	0	300	71	51	201.6
## 349	0	343	148	51	215.6
## 350	0	129	209	107	128.1
## 351	0	288	99	328	193.9
## 352	1	47	51	27	198.1
## 353	0	37	271	165	22.4
## 354	1	174	133	151	348.6
## 355	1	327	247	262	176.4
## 356	1	239	16	116	157.5
## 357	1	98	128	173	262.5
## 358	1	344	187	171	141.4
## 359	0	306	255	39	296.1
## 360	0	90	71	232	78.4
## 361	0	307	338	75	300.3
## 362	0	325	45	38	67.9
## 363	0	244	285	281	98.0
## 364	0	64	46	226	52.5
## 365	1	243	331	95	231.7
## 366	0	146	226	135	74.2
## 367	1	193	32	199	30.1
## 368	0	88	111	21	257.6

## 369	0	130	72	223	43.4
## 370	1	220	316	248	87.5
## 371	1	38	140	269	102.9
## 372	0	318	177	159	249.2
## 373	0	213	276	196	345.1
## 374	1	335	341	43	79.8
## 375	1	21	62	243	230.3
## 376	1	312	140	68	2.1
## 377	0	84	60	310	121.1
## 378	1	73	293	101	348.6
## 379	0	144	206	116	216.3
## 380	0	7	214	256	51.8
## 381	1	17	154	31	285.6
## 382	0	25	304	115	346.5
## 383	1	230	288	236	18.2
## 384	0	183	341	110	254.8
## 385	1	148	199	349	107.8
## 386	1	21	41	137	25.2
## 387	0	76	88	204	247.1
## 388	0	164	157	160	218.4
## 389	0	292	131	161	298.2
## 390	0	334	123	92	9.8
## 391	0	159	28	230	263.2
## 392	1	84	169	221	140.7
## 393	0	316	46	329	33.6
## 394	1	319	196	208	99.4
## 395	1	324	5	256	121.8
## 396	0	38	196	28	334.6
## 397	1	283	88	287	255.5
## 398	1	51	89	64	247.1
## 399	0	149	12	259	123.9
## 400	0	16	174	316	193.2
## 401	0	45	206	226	77.7
## 402	0	292	34	111	284.2
## 403	0	93	350	183	313.6
## 404	0	309	102	307	207.9
## 405	1	211	22	18	98.7
## 406	0	303	292	165	229.6
## 407	0	314	332	347	326.9
## 408	0	68	86	210	186.2
## 409	1	27	32	38	28.0
## 410	1	275	264	182	280.7
## 411	1	81	132	305	299.6
## 412	1	158	177	297	299.6
## 413	1	41	174	258	115.5
## 414	0	250	108	213	96.6
## 415	0	152	3	63	336.0
## 416	0	215	297	264	280.7
## 417	0	44	260	332	58.1
## 418	0	125	288	270	284.9
## 419	0	120	172	109	169.4
## 420	0	316	197	155	149.1
## 421	0	345	150	286	79.1
## 422	1	13	115	258	339.5

## 423	0	115	233	313	14.7
## 424	1	236	27	293	47.6
## 425	1	26	29	117	12.6
## 426	1	177	231	180	57.4
## 427	0	96	21	53	299.6
## 428	1	292	13	224	76.3
## 429	1	26	216	206	263.9
## 430	1	309	66	24	100.1
## 431	0	96	154	225	214.9
## 432	1	50	319	83	305.2
## 433	0	76	205	180	311.5
## 434	0	17	121	189	98.0
## 435	1	310	68	79	104.3
## 436	0	178	337	67	48.3
## 437	0	177	315	290	217.0
## 438	1	0	179	227	247.1
## 439	1	73	126	90	1.4
## 440	0	4	270	61	84.0
## 441	0	11	252	271	38.5
## 442	1	61	281	120	150.5
## 443	1	167	149	83	291.2
## 444	0	156	252	346	84.7
## 445	1	339	104	184	29.4
## 446	1	199	225	162	249.9
## 447	1	291	344	173	137.9
## 448	1	168	269	306	310.8
## 449	0	290	161	138	163.1
## 450	1	176	13	164	340.2
## 451	1	214	28	139	345.8
## 452	0	231	40	244	227.5
## 453	1	46	236	228	205.8
## 454	1	105	175	36	143.5
## 455	1	206	192	95	72.8
## 456	0	187	239	95	255.5
## 457	0	233	347	350	101.5
## 458	1	301	194	226	23.1
## 459	0	46	279	33	318.5
## 460	0	209	349	19	129.5
## 461	0	17	37	28	94.5
## 462	0	267	219	39	84.0
## 463	0	143	171	323	284.2
## 464	1	296	100	162	51.1
## 465	1	275	213	300	118.3
## 466	1	104	316	270	240.1
## 467	0	201	238	299	280.7
## 468	0	237	134	45	310.1
## 469	1	331	97	225	284.2
## 470	1	104	154	202	139.3
## 471	0	132	290	105	120.4
## 472	0	187	333	180	282.8
## 473	1	173	69	112	66.5
## 474	1	158	119	1	146.3
## 475	0	37	45	325	49.0
## 476	0	186	177	215	189.0

## 477	0	10	311	46	233.1
## 478	1	68	314	169	186.2
## 479	1	150	221	211	41.3
## 480	1	236	88	332	222.6
## 481	1	93	69	34	191.8
## 482	1	76	281	186	164.5
## 483	0	47	316	196	238.0
## 484	0	319	216	254	174.3
## 485	1	35	126	169	313.6
## 486	0	35	90	30	63.0
## 487	0	119	111	244	137.9
## 488	1	146	327	152	210.7
## 489	0	23	177	216	296.8
## 490	1	348	212	50	83.3
## 491	1	120	101	233	22.4
## 492	1	36	180	140	327.6
## 493	0	244	272	33	133.7
## 494	0	190	206	107	282.8
## 495	1	36	250	22	133.7
## 496	1	56	330	333	231.7
## 497	1	344	181	136	79.8
## 498	1	46	27	5	124.6
## 499	0	67	262	64	74.2
## 500	1	141	266	199	203.7
## 501	0	41	283	212	140.7
## 502	0	162	94	223	275.8
## 503	1	335	118	253	251.3
## 504	0	174	88	144	350.0
## 505	1	271	241	240	326.2
## 506	0	125	302	92	284.2
## 507	0	190	217	83	284.9
## 508	1	50	71	40	69.3
## 509	0	270	127	42	239.4
## 510	1	282	118	205	292.6
## 511	1	137	173	346	130.9
## 512	1	113	60	30	105.7
## 513	1	289	124	247	100.1
## 514	0	306	96	107	268.8
## 515	0	107	275	25	61.6
## 516	1	279	327	25	249.9
## 517	0	147	238	349	32.2
## 518	1	220	162	199	58.8
## 519	1	314	8	116	66.5
## 520	1	214	199	187	224.0
## 521	1	96	23	326	270.2
## 522	1	233	93	101	63.0
## 523	0	347	246	68	144.9
## 524	0	71	187	210	33.6
## 525	1	304	113	203	46.2
## 526	0	190	89	291	282.8
## 527	1	319	80	177	179.9
## 528	1	191	291	321	130.2
## 529	1	53	147	339	128.1
## 530	1	109	201	18	138.6

## 531	1	154	258	4	77.7
## 532	0	117	317	349	90.3
## 533	1	289	310	93	10.5
## 534	0	111	178	229	223.3
## 535	0	194	98	139	231.7
## 536	1	189	160	63	294.7
## 537	0	152	143	249	68.6
## 538	0	345	169	302	308.7
## 539	0	26	263	106	1.4
## 540	1	46	13	52	296.8
## 541	1	99	145	70	348.6
## 542	0	287	187	194	181.3
## 543	0	14	196	153	180.6
## 544	0	308	235	206	346.5
## 545	1	349	63	55	240.1
## 546	1	168	335	156	64.4
## 547	1	17	228	102	130.9
## 548	1	166	119	135	41.3
## 549	1	250	325	105	255.5
## 550	0	102	345	154	254.8
## 551	1	224	9	186	154.7
## 552	0	311	232	94	78.4
## 553	0	289	127	18	287.7
## 554	0	285	305	315	277.2
## 555	1	302	1	72	203.0
## 556	0	54	334	338	280.7
## 557	1	22	68	272	204.4
## 558	0	249	47	257	264.6
## 559	0	318	311	167	298.9
## 560	1	268	169	300	61.6
## 561	1	182	134	95	164.5
## 562	0	330	237	295	168.7
## 563	0	122	170	274	130.2
## 564	0	16	25	75	133.7
## 565	0	239	39	122	320.6
## 566	1	304	318	142	178.5
## 567	1	255	306	152	239.4
## 568	1	293	135	182	267.4
## 569	1	203	262	199	328.3
## 570	0	326	36	20	186.9
## 571	0	18	227	328	14.0
## 572	0	221	44	278	141.4
## 573	0	102	277	235	196.7
## 574	0	18	255	308	228.2
## 575	0	269	31	153	112.7
## 576	0	173	238	173	114.8
## 577	0	187	6	43	238.0
## 578	1	335	197	277	163.8
## 579	0	76	106	225	220.5
## 580	1	147	330	62	5.6
## 581	0	17	290	31	166.6
## 582	1	57	115	339	198.1
## 583	1	183	17	299	202.3
## 584	1	217	207	116	160.3

## 585	0	284	268	64	214.2
## 586	1	184	18	313	279.3
## 587	0	243	209	234	36.4
## 588	1	273	252	135	36.4
## 589	1	144	205	11	75.6
## 590	0	227	67	132	230.3
## 591	0	108	272	166	19.6
## 592	1	196	340	191	337.4
## 593	1	1	4	88	116.2
## 594	1	22	110	89	106.4
## 595	1	201	299	148	302.4
## 596	1	8	156	296	184.1
## 597	1	31	188	293	81.9
## 598	1	192	302	334	306.6
## 599	0	150	138	206	121.8
## 600	0	239	326	84	120.4
## 601	0	227	280	299	28.0
## 602	0	81	7	145	163.1
## 603	0	35	303	196	53.2
## 604	1	170	216	256	260.4
## 605	0	226	34	295	27.3
## 606	0	78	69	292	197.4
## 607	0	137	44	119	331.1
## 608	1	95	179	201	158.9
## 609	0	189	280	39	67.2
## 610	0	323	48	260	95.2
## 611	1	161	144	308	264.6
## 612	0	330	243	50	140.0
## 613	1	86	264	48	15.4
## 614	1	149	165	334	156.8
## 615	0	243	240	145	174.3
## 616	1	13	80	77	189.0
## 617	0	41	30	90	112.0
## 618	1	57	233	147	137.9
## 619	1	123	218	302	30.8
## 620	0	9	308	279	248.5
## 621	0	170	297	314	170.8
## 622	1	197	216	59	48.3
## 623	1	236	270	266	217.7
## 624	1	79	111	124	319.2
## 625	0	158	197	37	71.4
## 626	1	259	133	283	81.9
## 627	0	219	31	52	341.6
## 628	0	95	147	21	179.9
## 629	1	174	167	183	22.4
## 630	1	130	335	78	332.5
## 631	1	106	320	283	81.2
## 632	0	319	16	331	165.9
## 633	0	185	288	30	77.7
## 634	0	237	125	142	273.0
## 635	0	328	289	177	245.0
## 636	0	287	343	230	96.6
## 637	0	66	46	288	308.0
## 638	1	206	161	306	298.9

## 639	0	345	93	278	143.5
## 640	0	266	207	31	295.4
## 641	1	283	322	46	112.7
## 642	0	5	210	142	333.9
## 643	0	304	18	281	113.4
## 644	0	230	0	67	65.1
## 645	1	195	329	268	322.7
## 646	1	232	338	18	161.7
## 647	0	261	38	209	155.4
## 648	1	0	250	331	231.0
## 649	1	193	138	120	146.3
## 650	1	57	89	325	179.9
## 651	1	82	53	187	20.3
## 652	1	266	227	215	201.6
## 653	0	348	284	39	45.5
## 654	0	198	317	26	289.8
## 655	1	179	166	348	294.7
## 656	0	47	308	173	317.1
## 657	1	158	284	234	182.0
## 658	1	224	205	285	310.1
## 659	0	226	151	36	221.9
## 660	0	40	133	212	158.9
## 661	1	46	193	46	78.4
## 662	1	204	158	154	322.0
## 663	0	118	86	160	128.8
## 664	1	30	138	182	215.6
## 665	1	34	9	309	13.3
## 666	1	114	110	156	116.2
## 667	0	174	194	191	243.6
## 668	1	226	332	134	147.7
## 669	1	117	293	283	27.3
## 670	0	341	316	115	282.8
## 671	1	120	328	151	128.1
## 672	0	39	44	110	342.3
## 673	0	164	114	217	214.2
## 674	0	263	328	241	208.6
## 675	0	263	111	138	181.3
## 676	1	133	346	200	149.8
## 677	1	228	305	80	44.8
## 678	0	186	147	312	185.5
## 679	1	237	293	168	233.1
## 680	1	174	9	130	189.7
## 681	0	295	150	2	327.6
## 682	0	99	99	305	77.0
## 683	0	197	341	54	280.0
## 684	1	135	116	222	109.2
## 685	1	51	153	235	200.9
## 686	1	96	186	273	181.3
## 687	1	6	228	296	219.8
## 688	0	66	188	310	205.8
## 689	0	209	6	350	335.3
## 690	1	250	106	215	82.6
## 691	1	178	296	116	126.7
## 692	0	332	253	80	37.8

## 693	1	319	27	308	157.5
## 694	1	339	284	315	286.3
## 695	1	47	24	343	336.0
## 696	1	84	29	55	144.9
## 697	0	145	174	189	343.0
## 698	0	253	30	54	17.5
## 699	1	337	308	264	158.2
## 700	0	18	260	134	316.4
## 701	1	101	265	279	58.8
## 702	0	120	24	216	126.7
## 703	1	316	165	27	133.0
## 704	0	152	7	45	56.0
## 705	1	94	35	344	47.6
## 706	0	81	154	291	203.7
## 707	1	105	347	149	248.5
## 708	1	43	202	336	298.2
## 709	0	33	143	177	282.1
## 710	0	175	341	278	350.0
## 711	1	257	217	167	159.6
## 712	1	23	53	170	63.7
## 713	1	243	328	55	43.4
## 714	0	71	20	82	190.4
## 715	0	18	47	124	305.9
## 716	0	212	295	332	84.7
## 717	1	55	220	293	58.8
## 718	1	144	120	174	242.9
## 719	1	146	336	244	129.5
## 720	0	121	346	137	114.1
## 721	1	24	255	229	265.3
## 722	0	197	268	34	252.0
## 723	1	84	129	309	121.8
## 724	0	61	132	144	214.9
## 725	0	111	25	281	97.3
## 726	0	160	304	152	115.5
## 727	1	92	234	243	315.7
## 728	1	201	122	180	98.0
## 729	0	289	209	168	171.5
## 730	0	294	95	315	303.8
## 731	0	270	266	196	160.3
## 732	1	183	250	50	25.9
## 733	0	105	4	124	67.2
## 734	1	19	144	81	67.2
## 735	1	287	149	188	301.7
## 736	0	264	41	208	245.7
## 737	1	306	8	230	158.9
## 738	0	93	293	120	256.9
## 739	0	67	169	130	322.7
## 740	1	151	144	315	23.8
## 741	0	208	157	111	14.0
## 742	0	29	26	211	20.3
## 743	1	317	330	261	28.0
## 744	1	181	309	135	226.8
## 745	0	46	175	234	348.6
## 746	1	313	105	52	293.3

## 747	1	175	44	10	114.1
## 748	1	129	341	252	210.7
## 749	1	224	59	263	246.4
## 750	1	159	108	205	189.7
## 751	0	83	169	150	313.6
## 752	0	125	278	109	210.0
## 753	1	22	32	157	32.2
## 754	0	189	192	278	158.2
## 755	0	39	9	296	142.1
## 756	0	261	139	260	74.2
## 757	0	63	143	334	266.0
## 758	1	46	121	310	126.7
## 759	1	156	204	55	300.3
## 760	1	337	217	140	79.1
## 761	1	11	296	207	301.7
## 762	1	121	140	39	287.0
## 763	1	11	141	185	326.9
## 764	1	281	66	55	336.7
## 765	0	317	24	314	1.4
## 766	1	195	82	169	228.2
## 767	1	287	24	117	151.2
## 768	0	298	244	0	305.2
## 769	1	34	166	268	249.9
## 770	1	135	215	335	32.9
## 771	1	310	114	273	325.5
## 772	1	123	20	43	119.0
## 773	1	70	334	240	148.4
## 774	0	211	172	169	233.1
## 775	1	170	322	317	24.5
## 776	0	129	265	124	130.9
## 777	1	313	151	221	277.9
## 778	0	191	58	343	137.9
## 779	0	120	224	172	313.6
## 780	0	341	305	334	178.5
## 781	1	246	111	245	119.0
## 782	0	335	64	26	21.7
## 783	0	138	210	50	338.8
## 784	0	1	106	141	171.5
## 785	0	215	159	220	107.1
## 786	1	209	339	200	151.9
## 787	0	246	139	164	35.7
## 788	1	284	349	18	301.7
## 789	0	308	293	170	163.8
## 790	0	332	204	335	98.7
## 791	1	260	13	152	23.8
## 792	0	81	342	11	75.6
## 793	1	220	87	60	16.1
## 794	1	242	215	202	233.8
## 795	0	142	144	112	95.9
## 796	1	198	43	216	247.1
## 797	0	111	179	58	4.2
## 798	1	106	254	113	45.5
## 799	1	192	84	55	140.0
## 800	0	224	224	336	149.1

## 801	1	278	349	111	156.8
## 802	1	193	297	123	177.8
## 803	1	180	37	238	344.4
## 804	0	23	53	293	101.5
## 805	1	190	17	322	282.8
## 806	0	257	237	291	168.7
## 807	1	185	21	282	65.1
## 808	0	261	4	237	58.8
## 809	1	254	83	249	28.7
## 810	1	113	1	222	30.1
## 811	1	240	92	114	144.2
## 812	0	96	130	87	242.9
## 813	1	59	243	96	276.5
## 814	0	156	145	162	21.7
## 815	0	190	283	119	173.6
## 816	1	334	205	90	75.6
## 817	1	48	326	286	18.2
## 818	0	190	272	80	18.2
## 819	1	213	295	128	245.0
## 820	1	199	299	215	140.0
## 821	1	308	302	307	81.9
## 822	1	228	63	303	131.6
## 823	0	178	298	4	228.9
## 824	1	231	231	326	71.4
## 825	1	4	38	270	276.5
## 826	0	336	183	0	48.3
## 827	0	20	244	196	147.7
## 828	0	145	154	336	142.8
## 829	1	296	114	309	204.4
## 830	0	348	319	83	124.6
## 831	0	313	27	176	309.4
## 832	1	48	303	22	225.4
## 833	0	162	220	112	273.7
## 834	0	127	89	13	282.8
## 835	1	10	129	332	314.3
## 836	1	2	107	312	319.9
## 837	0	229	159	342	294.0
## 838	0	42	37	70	238.0
## 839	0	22	36	63	13.3
## 840	1	25	80	25	3.5
## 841	1	140	21	240	339.5
## 842	0	120	145	332	245.0
## 843	1	7	330	103	65.8
## 844	1	53	59	146	161.0
## 845	0	194	304	333	98.0
## 846	0	261	142	217	44.8
## 847	0	74	85	140	175.0
## 848	0	81	73	2	212.1
## 849	0	133	207	145	74.9
## 850	1	268	106	53	258.3
## 851	0	293	273	286	37.1
## 852	1	176	143	203	49.7
## 853	1	216	239	233	322.0
## 854	0	254	186	141	136.5

## 855	1	276	113	25	107.8
## 856	0	280	58	315	144.9
## 857	1	204	80	159	39.2
## 858	1	211	132	226	109.9
## 859	1	337	188	240	296.1
## 860	1	80	298	146	72.1
## 861	1	242	95	32	95.2
## 862	0	35	157	339	74.2
## 863	0	108	170	147	108.5
## 864	0	104	235	305	333.2
## 865	1	220	240	295	347.2
## 866	1	203	313	78	130.9
## 867	0	306	52	208	272.3
## 868	0	152	65	138	66.5
## 869	0	177	165	350	13.3
## 870	1	174	72	340	221.2
## 871	1	240	281	191	278.6
## 872	0	150	120	5	51.1
## 873	0	49	323	27	237.3
## 874	1	289	225	179	191.1
## 875	0	170	212	335	180.6
## 876	0	44	217	155	117.6
## 877	1	183	116	122	285.6
## 878	1	266	322	349	210.7
## 879	0	181	230	347	67.2
## 880	1	206	83	75	207.2
## 881	0	131	323	43	192.5
## 882	0	145	329	338	53.2
## 883	1	245	160	35	86.1
## 884	1	195	171	134	100.1
## 885	0	14	149	202	107.1
## 886	1	195	248	174	128.1
## 887	0	96	304	16	140.0
## 888	1	75	140	111	14.7
## 889	1	85	231	222	230.3
## 890	0	259	127	264	195.3
## 891	0	188	291	171	165.2
## 892	0	332	317	126	216.3
## 893	1	167	326	101	107.8
## 894	1	231	280	102	121.8
## 895	1	68	211	128	30.8
## 896	1	226	66	242	194.6
## 897	1	1	303	338	158.2
## 898	1	144	155	88	44.1
## 899	0	225	289	350	305.9
## 900	0	343	257	311	22.4
## 901	0	217	263	195	238.0
## 902	1	41	97	4	338.8
## 903	1	245	59	100	310.1
## 904	0	179	136	208	210.0
## 905	0	81	146	122	81.9
## 906	1	64	248	324	45.5
## 907	0	151	277	310	330.4
## 908	1	289	45	114	219.8

## 909	1	179	285	139	331.8
## 910	1	222	55	292	164.5
## 911	0	293	283	70	95.2
## 912	0	155	193	267	8.4
## 913	1	18	215	252	347.2
## 914	1	297	166	206	93.1
## 915	1	19	305	103	116.9
## 916	1	228	273	141	134.4
## 917	1	206	140	332	62.3
## 918	1	101	322	329	63.0
## 919	1	95	53	191	104.3
## 920	1	269	132	121	261.1
## 921	0	249	205	25	207.9
## 922	0	201	288	19	277.9
## 923	1	62	294	242	205.8
## 924	1	340	225	12	234.5
## 925	1	23	282	152	144.9
## 926	0	49	6	290	59.5
## 927	1	133	35	23	210.0
## 928	1	42	130	296	296.1
## 929	1	15	208	279	102.2
## 930	0	295	235	350	289.1
## 931	0	271	157	275	137.9
## 932	1	174	304	324	179.9
## 933	1	132	209	267	284.2
## 934	0	71	300	97	319.2
## 935	0	103	22	261	207.2
## 936	1	44	222	241	205.1
## 937	0	233	307	225	276.5
## 938	1	136	247	52	84.0
## 939	0	186	94	34	141.4
## 940	0	81	1	84	256.9
## 941	0	31	162	242	28.0
## 942	0	186	166	296	182.7
## 943	1	306	207	22	216.3
## 944	0	127	259	107	35.7
## 945	0	283	111	309	34.3
## 946	0	297	81	348	234.5
## 947	1	289	215	108	259.0
## 948	1	285	92	228	249.9
## 949	1	54	78	166	309.4
## 950	1	171	226	340	102.2
## 951	1	313	35	283	54.6
## 952	1	18	247	48	63.7
## 953	0	343	155	198	270.9
## 954	1	55	57	295	103.6
## 955	1	165	129	46	212.1
## 956	0	185	225	101	346.5
## 957	0	113	18	188	196.0
## 958	0	186	101	291	220.5
## 959	1	246	92	345	301.0
## 960	1	226	218	46	42.0
## 961	1	262	172	145	299.6
## 962	1	255	247	195	339.5

## 963	0	255	105	325	186.9
## 964	0	177	121	72	87.5
## 965	0	231	155	163	26.6
## 966	0	273	82	222	198.8
## 967	1	265	91	241	37.1
## 968	0	159	342	340	15.4
## 969	0	96	236	176	304.5
## 970	0	279	252	91	128.8
## 971	0	264	279	350	55.3
## 972	0	1	79	259	198.8
## 973	0	114	138	167	270.2
## 974	1	113	302	297	232.4
## 975	1	339	8	321	21.7
## 976	0	328	300	157	289.8
## 977	1	302	190	113	275.8
## 978	0	209	20	266	318.5
## 979	1	53	228	112	100.1
## 980	0	168	135	107	124.6
## 981	0	76	188	208	324.8
## 982	1	289	310	268	161.7
## 983	1	36	98	198	291.2
## 984	1	349	82	163	202.3
## 985	0	312	39	253	214.9
## 986	1	220	236	132	282.1
## 987	1	214	198	287	195.3
## 988	1	174	36	286	333.9
## 989	0	301	226	6	22.4
## 990	1	76	337	316	32.9
## 991	0	200	237	142	100.1
## 992	1	107	54	73	197.4
## 993	1	6	43	126	47.6
## 994	1	292	147	298	188.3
## 995	1	313	236	14	328.3
## 996	0	135	132	310	13.3
## 997	1	150	90	267	347.9
## 998	1	260	292	53	147.0
## 999	0	251	39	103	301.0
## 1000	1	241	216	298	343.0
##	Percentage	APS	Application.Status		
## 1	68.19429	24	BSC DS / BSc EA		
## 2	44.87429	18	BSc DS / BSc EA / BCom / BBA		
## 3	47.73714	18	BSc DS / BSc EA / BCom / BBA		
## 4	63.61143	24	BSC DS / BSc EA		
## 5	41.32000	16	BSc DS / BSc EA / BCom / BBA		
## 6	83.24000	34	BSC DS / BSc EA		
## 7	34.64571	12	Fail		
## 8	51.30857	19	BSc DS / BSc EA / BCom		
## 9	55.38286	21	BSc DS / BSc EA / BCom		
## 10	24.14857	10	Fail		
## 11	65.32571	24	BSC DS / BSc EA		
## 12	39.81143	16	BSc DS / BSc EA / BCom / BBA		
## 13	44.84000	16	BSc DS / BSc EA / BCom / BBA		
## 14	45.86286	18	BSc DS / BSc EA / BCom / BBA		
## 15	37.82857	13	Fail		

## 16	59.89714	22	BSC DS / BSc EA
## 17	44.47429	19	BSc DS / BSc EA / BCom
## 18	32.08000	11	Fail
## 19	54.93143	19	BSc DS / BSc EA / BCom
## 20	57.83429	20	BSc DS / BSc EA / BCom
## 21	61.84571	23	BSC DS / BSc EA
## 22	39.75429	16	BSc DS / BSc EA / BCom / BBA
## 23	34.92000	14	Fail
## 24	56.49143	20	BSc DS / BSc EA / BCom
## 25	39.66857	13	Fail
## 26	43.72000	17	BSc DS / BSc EA / BCom / BBA
## 27	38.32571	14	Fail
## 28	42.76571	15	Fail
## 29	57.95429	21	BSc DS / BSc EA / BCom
## 30	35.72000	12	Fail
## 31	53.74857	20	BSc DS / BSc EA / BCom
## 32	65.72571	26	BSC DS / BSc EA
## 33	52.19429	18	BSc DS / BSc EA / BCom / BBA
## 34	75.58286	28	BSC DS / BSc EA
## 35	82.80571	32	BSC DS / BSc EA
## 36	47.13714	18	BSc DS / BSc EA / BCom / BBA
## 37	47.65143	18	BSc DS / BSc EA / BCom / BBA
## 38	48.40571	17	BSc DS / BSc EA / BCom / BBA
## 39	35.60000	13	Fail
## 40	57.99429	23	BSC DS / BSc EA
## 41	10.05714	5	Fail
## 42	69.70857	25	BSC DS / BSc EA
## 43	52.16571	20	BSc DS / BSc EA / BCom
## 44	43.27429	16	BSc DS / BSc EA / BCom / BBA
## 45	58.92000	23	BSC DS / BSc EA
## 46	48.41714	19	BSc DS / BSc EA / BCom
## 47	71.80000	28	BSC DS / BSc EA
## 48	59.69714	23	BSC DS / BSc EA
## 49	55.12571	20	BSc DS / BSc EA / BCom
## 50	33.24000	13	Fail
## 51	49.21714	20	BSc DS / BSc EA / BCom
## 52	64.98286	25	BSC DS / BSc EA
## 53	42.36000	13	Fail
## 54	51.64000	18	BSc DS / BSc EA / BCom / BBA
## 55	62.00571	23	BSC DS / BSc EA
## 56	44.30286	15	Fail
## 57	58.17714	22	BSC DS / BSc EA
## 58	32.85714	11	Fail
## 59	76.73714	29	BSC DS / BSc EA
## 60	45.04571	17	BSc DS / BSc EA / BCom / BBA
## 61	59.53714	22	BSC DS / BSc EA
## 62	43.70857	17	BSc DS / BSc EA / BCom / BBA
## 63	54.70857	22	BSC DS / BSc EA
## 64	67.55429	27	BSC DS / BSc EA
## 65	53.12000	19	BSc DS / BSc EA / BCom
## 66	62.26286	22	BSC DS / BSc EA
## 67	68.20000	25	BSC DS / BSc EA
## 68	48.42857	19	BSc DS / BSc EA / BCom
## 69	59.64571	23	BSC DS / BSc EA

## 70	61.31429	24	BSC DS / BSc EA
## 71	63.97714	22	BSC DS / BSc EA
## 72	56.54857	21	BSc DS / BSc EA / BCom
## 73	51.76571	20	BSc DS / BSc EA / BCom
## 74	46.69143	17	BSc DS / BSc EA / BCom / BBA
## 75	21.92571	8	Fail
## 76	43.03429	14	Fail
## 77	32.57143	12	Fail
## 78	74.05143	28	BSC DS / BSc EA
## 79	53.57143	18	BSc DS / BSc EA / BCom / BBA
## 80	46.59429	19	BSc DS / BSc EA / BCom
## 81	52.53143	18	BSc DS / BSc EA / BCom / BBA
## 82	35.59429	12	Fail
## 83	54.98286	21	BSc DS / BSc EA / BCom
## 84	37.70857	13	Fail
## 85	29.26857	11	Fail
## 86	27.48571	8	Fail
## 87	70.77714	26	BSC DS / BSc EA
## 88	46.02857	16	BSc DS / BSc EA / BCom / BBA
## 89	61.12571	23	BSC DS / BSc EA
## 90	70.25143	26	BSC DS / BSc EA
## 91	68.21143	26	BSC DS / BSc EA
## 92	47.43429	18	BSc DS / BSc EA / BCom / BBA
## 93	53.20571	20	BSc DS / BSc EA / BCom
## 94	54.92571	20	BSc DS / BSc EA / BCom
## 95	41.92571	17	BSc DS / BSc EA / BCom / BBA
## 96	67.15429	25	BSC DS / BSc EA
## 97	32.18857	13	Fail
## 98	47.03429	17	BSc DS / BSc EA / BCom / BBA
## 99	24.64000	11	Fail
## 100	47.65714	18	BSc DS / BSc EA / BCom / BBA
## 101	51.74286	19	BSc DS / BSc EA / BCom
## 102	54.72571	21	BSc DS / BSc EA / BCom
## 103	40.08571	14	Fail
## 104	48.29714	17	BSc DS / BSc EA / BCom / BBA
## 105	47.39429	16	BSc DS / BSc EA / BCom / BBA
## 106	34.95429	14	Fail
## 107	52.49714	20	BSc DS / BSc EA / BCom
## 108	38.99429	15	Fail
## 109	28.46857	9	Fail
## 110	52.00571	21	BSc DS / BSc EA / BCom
## 111	46.38286	15	Fail
## 112	60.24571	21	BSc DS / BSc EA / BCom
## 113	51.79429	20	BSc DS / BSc EA / BCom
## 114	64.93143	24	BSC DS / BSc EA
## 115	57.41143	22	BSC DS / BSc EA
## 116	33.58857	11	Fail
## 117	48.38857	19	BSc DS / BSc EA / BCom
## 118	32.92571	13	Fail
## 119	63.19429	27	BSC DS / BSc EA
## 120	42.84000	16	BSc DS / BSc EA / BCom / BBA
## 121	60.67429	23	BSC DS / BSc EA
## 122	35.24000	15	Fail
## 123	48.89143	16	BSc DS / BSc EA / BCom / BBA

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## 124    59.58857 21      BSc DS / BSc EA / BCom
## 125    68.93143 27      BSC DS / BSc EA
## 126    56.65714 24      BSC DS / BSc EA
## 127    56.29714 22      BSC DS / BSc EA
## 128    57.55429 21      BSc DS / BSc EA / BCom
## 129    52.29143 19      BSc DS / BSc EA / BCom
## 130    44.88571 16 BSc DS / BSc EA / BCom / BBA
## 131    43.47429 17 BSc DS / BSc EA / BCom / BBA
## 132    62.08000 23      BSC DS / BSc EA
## 133    39.56571 14      Fail
## 134    29.76000 11      Fail
## 135    57.96000 22      BSC DS / BSc EA
## 136    44.16571 17 BSc DS / BSc EA / BCom / BBA
## 137    59.36000 22      BSC DS / BSc EA
## 138    69.70857 27      BSC DS / BSc EA
## 139    48.70286 17 BSc DS / BSc EA / BCom / BBA
## 140    56.97143 20      BSc DS / BSc EA / BCom
## 141    65.94286 26      BSC DS / BSc EA
## 142    50.93714 17 BSc DS / BSc EA / BCom / BBA
## 143    53.01714 20      BSc DS / BSc EA / BCom
## 144    42.10857 17 BSc DS / BSc EA / BCom / BBA
## 145    47.67429 18 BSc DS / BSc EA / BCom / BBA
## 146    35.80571 12      Fail
## 147    42.78857 15      Fail
## 148    48.41714 18 BSc DS / BSc EA / BCom / BBA
## 149    62.10286 23      BSC DS / BSc EA
## 150    58.60571 22      BSC DS / BSc EA
## 151    39.56571 16 BSc DS / BSc EA / BCom / BBA
## 152    63.16000 25      BSC DS / BSc EA
## 153    26.84571 10      Fail
## 154    46.18857 16 BSc DS / BSc EA / BCom / BBA
## 155    78.18286 30      BSC DS / BSc EA
## 156    56.61714 19      BSc DS / BSc EA / BCom
## 157    36.77143 15      Fail
## 158    36.36000 13      Fail
## 159    55.53143 22      BSC DS / BSc EA
## 160    63.17143 24      BSC DS / BSc EA
## 161    51.36571 18 BSc DS / BSc EA / BCom / BBA
## 162    68.29714 26      BSC DS / BSc EA
## 163    34.80000 10      Fail
## 164    42.47429 16 BSc DS / BSc EA / BCom / BBA
## 165    29.89143 13      Fail
## 166    52.30286 18 BSc DS / BSc EA / BCom / BBA
## 167    47.83429 17 BSc DS / BSc EA / BCom / BBA
## 168    41.26286 17 BSc DS / BSc EA / BCom / BBA
## 169    56.52571 22      BSC DS / BSc EA
## 170    54.67429 20      BSc DS / BSc EA / BCom
## 171    42.14857 17 BSc DS / BSc EA / BCom / BBA
## 172    40.41714 13      Fail
## 173    64.85714 22      BSC DS / BSc EA
## 174    58.09714 21      BSc DS / BSc EA / BCom
## 175    39.35429 16 BSc DS / BSc EA / BCom / BBA
## 176    39.99429 15      Fail
## 177    50.83429 20      BSc DS / BSc EA / BCom

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## 178	76.87429	30	BSC DS / BSc EA
## 179	63.53714	23	BSC DS / BSc EA
## 180	69.96000	25	BSC DS / BSc EA
## 181	69.76571	25	BSC DS / BSc EA
## 182	49.62286	18	BSc DS / BSc EA / BCom / BBA
## 183	68.82286	27	BSC DS / BSc EA
## 184	69.05714	28	BSC DS / BSc EA
## 185	27.58286	11	Fail
## 186	23.96571	8	Fail
## 187	39.13714	15	Fail
## 188	58.89714	22	BSC DS / BSc EA
## 189	25.63429	9	Fail
## 190	56.08571	21	BSc DS / BSc EA / BCom
## 191	48.80000	18	BSc DS / BSc EA / BCom / BBA
## 192	55.30286	21	BSc DS / BSc EA / BCom
## 193	44.44571	17	BSc DS / BSc EA / BCom / BBA
## 194	28.93714	9	Fail
## 195	38.61714	14	Fail
## 196	48.49143	18	BSc DS / BSc EA / BCom / BBA
## 197	49.01143	19	BSc DS / BSc EA / BCom
## 198	52.70857	21	BSc DS / BSc EA / BCom
## 199	51.31429	20	BSc DS / BSc EA / BCom
## 200	42.08000	16	BSc DS / BSc EA / BCom / BBA
## 201	47.50286	16	BSc DS / BSc EA / BCom / BBA
## 202	50.31429	19	BSc DS / BSc EA / BCom
## 203	49.20000	18	BSc DS / BSc EA / BCom / BBA
## 204	49.61714	17	BSc DS / BSc EA / BCom / BBA
## 205	51.32000	19	BSc DS / BSc EA / BCom
## 206	50.26857	17	BSc DS / BSc EA / BCom / BBA
## 207	29.50857	11	Fail
## 208	45.57714	16	BSc DS / BSc EA / BCom / BBA
## 209	14.25143	6	Fail
## 210	49.56000	18	BSc DS / BSc EA / BCom / BBA
## 211	43.76000	17	BSc DS / BSc EA / BCom / BBA
## 212	49.16571	18	BSc DS / BSc EA / BCom / BBA
## 213	53.53143	21	BSc DS / BSc EA / BCom
## 214	52.73143	21	BSc DS / BSc EA / BCom
## 215	38.96000	16	BSc DS / BSc EA / BCom / BBA
## 216	33.55429	12	Fail
## 217	46.30857	15	Fail
## 218	32.28000	13	Fail
## 219	58.42286	21	BSc DS / BSc EA / BCom
## 220	37.44000	15	Fail
## 221	45.72000	17	BSc DS / BSc EA / BCom / BBA
## 222	64.66857	24	BSC DS / BSc EA
## 223	52.61143	21	BSc DS / BSc EA / BCom
## 224	55.25714	20	BSc DS / BSc EA / BCom
## 225	31.94857	11	Fail
## 226	39.79429	13	Fail
## 227	54.19429	19	BSc DS / BSc EA / BCom
## 228	45.97143	17	BSc DS / BSc EA / BCom / BBA
## 229	52.47429	21	BSc DS / BSc EA / BCom
## 230	48.45143	17	BSc DS / BSc EA / BCom / BBA
## 231	62.38857	23	BSC DS / BSc EA

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## 232 31.74286 14 Fail
## 233 31.13714 11 Fail
## 234 26.04000 11 Fail
## 235 34.42286 11 Fail
## 236 55.05143 20 BSc DS / BSc EA / BCom
## 237 42.77714 15 Fail
## 238 48.62286 17 BSc DS / BSc EA / BCom / BBA
## 239 38.83429 14 Fail
## 240 54.34286 19 BSc DS / BSc EA / BCom
## 241 30.45143 10 Fail
## 242 67.78286 26 BSC DS / BSc EA
## 243 31.42286 12 Fail
## 244 34.25143 13 Fail
## 245 41.80571 14 Fail
## 246 65.28000 25 BSC DS / BSc EA
## 247 31.00000 12 Fail
## 248 46.26286 18 BSc DS / BSc EA / BCom / BBA
## 249 42.63429 15 Fail
## 250 74.51429 29 BSC DS / BSc EA
## 251 35.74286 14 Fail
## 252 62.84571 24 BSC DS / BSc EA
## 253 40.46286 15 Fail
## 254 42.04571 17 BSc DS / BSc EA / BCom / BBA
## 255 49.81714 19 BSc DS / BSc EA / BCom
## 256 45.62857 16 BSc DS / BSc EA / BCom / BBA
## 257 56.69714 20 BSc DS / BSc EA / BCom
## 258 55.07429 21 BSc DS / BSc EA / BCom
## 259 35.65143 11 Fail
## 260 49.17143 18 BSc DS / BSc EA / BCom / BBA
## 261 42.80000 15 Fail
## 262 52.35429 18 BSc DS / BSc EA / BCom / BBA
## 263 47.23429 17 BSc DS / BSc EA / BCom / BBA
## 264 32.54857 10 Fail
## 265 15.48000 5 Fail
## 266 59.46857 22 BSC DS / BSc EA
## 267 47.57143 16 BSc DS / BSc EA / BCom / BBA
## 268 44.33143 16 BSc DS / BSc EA / BCom / BBA
## 269 64.90857 23 BSC DS / BSc EA
## 270 69.20571 26 BSC DS / BSc EA
## 271 34.70286 12 Fail
## 272 35.82286 16 BSc DS / BSc EA / BCom / BBA
## 273 75.26286 30 BSC DS / BSc EA
## 274 59.59429 22 BSC DS / BSc EA
## 275 66.62857 25 BSC DS / BSc EA
## 276 50.97143 19 BSc DS / BSc EA / BCom
## 277 29.49143 11 Fail
## 278 36.54286 14 Fail
## 279 68.68571 27 BSC DS / BSc EA
## 280 44.10286 14 Fail
## 281 36.97143 13 Fail
## 282 58.03429 21 BSc DS / BSc EA / BCom
## 283 43.65143 15 Fail
## 284 52.69143 19 BSc DS / BSc EA / BCom
## 285 46.48000 16 BSc DS / BSc EA / BCom / BBA

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## 286	53.40000	21	BSc DS / BSc EA / BCom
## 287	41.97143	15	Fail
## 288	40.40000	15	Fail
## 289	55.36000	20	BSc DS / BSc EA / BCom
## 290	44.93714	14	Fail
## 291	49.52571	19	BSc DS / BSc EA / BCom
## 292	47.23429	17	BSc DS / BSc EA / BCom / BBA
## 293	55.20000	20	BSc DS / BSc EA / BCom
## 294	46.13714	15	Fail
## 295	42.06286	15	Fail
## 296	46.77143	19	BSc DS / BSc EA / BCom
## 297	45.62286	18	BSc DS / BSc EA / BCom / BBA
## 298	39.23429	13	Fail
## 299	74.30286	28	BSC DS / BSc EA
## 300	34.44000	11	Fail
## 301	58.82857	22	BSC DS / BSc EA
## 302	40.24571	14	Fail
## 303	30.59429	11	Fail
## 304	60.19429	25	BSC DS / BSc EA
## 305	47.06286	17	BSc DS / BSc EA / BCom / BBA
## 306	48.96000	19	BSc DS / BSc EA / BCom
## 307	57.16571	23	BSC DS / BSc EA
## 308	49.13714	17	BSc DS / BSc EA / BCom / BBA
## 309	45.68000	18	BSc DS / BSc EA / BCom / BBA
## 310	57.54857	23	BSC DS / BSc EA
## 311	64.16571	24	BSC DS / BSc EA
## 312	86.13714	31	BSC DS / BSc EA
## 313	46.01714	15	Fail
## 314	34.52000	14	Fail
## 315	45.37143	17	BSc DS / BSc EA / BCom / BBA
## 316	61.81143	23	BSC DS / BSc EA
## 317	55.96000	22	BSC DS / BSc EA
## 318	22.09143	5	Fail
## 319	49.96000	19	BSc DS / BSc EA / BCom
## 320	29.06857	11	Fail
## 321	39.11429	15	Fail
## 322	37.65714	15	Fail
## 323	50.37143	20	BSc DS / BSc EA / BCom
## 324	61.98857	23	BSC DS / BSc EA
## 325	67.41714	25	BSC DS / BSc EA
## 326	47.86286	18	BSc DS / BSc EA / BCom / BBA
## 327	81.66286	31	BSC DS / BSc EA
## 328	54.12000	20	BSc DS / BSc EA / BCom
## 329	26.57714	11	Fail
## 330	51.02286	21	BSc DS / BSc EA / BCom
## 331	56.68000	23	BSC DS / BSc EA
## 332	73.29143	26	BSC DS / BSc EA
## 333	30.74286	12	Fail
## 334	59.70286	23	BSC DS / BSc EA
## 335	65.74286	26	BSC DS / BSc EA
## 336	57.48000	22	BSC DS / BSc EA
## 337	44.27429	14	Fail
## 338	45.29143	15	Fail
## 339	66.26286	24	BSC DS / BSc EA

## 340	73.41714	28	BSC DS / BSc EA
## 341	58.37143	22	BSC DS / BSc EA
## 342	48.25143	19	BSc DS / BSc EA / BCom
## 343	69.96000	27	BSC DS / BSc EA
## 344	37.64571	13	Fail
## 345	53.34286	19	BSc DS / BSc EA / BCom
## 346	65.12571	24	BSC DS / BSc EA
## 347	74.40571	27	BSC DS / BSc EA
## 348	52.37714	20	BSc DS / BSc EA / BCom
## 349	49.17714	17	BSc DS / BSc EA / BCom / BBA
## 350	42.92000	14	Fail
## 351	69.42286	26	BSC DS / BSc EA
## 352	26.29143	9	Fail
## 353	43.85143	17	BSc DS / BSc EA / BCom / BBA
## 354	61.74857	21	BSc DS / BSc EA / BCom
## 355	65.16571	25	BSC DS / BSc EA
## 356	47.91429	18	BSc DS / BSc EA / BCom / BBA
## 357	45.11429	14	Fail
## 358	60.82286	22	BSC DS / BSc EA
## 359	55.37714	22	BSC DS / BSc EA
## 360	28.82286	9	Fail
## 361	70.41714	27	BSC DS / BSc EA
## 362	34.33714	12	Fail
## 363	57.20000	21	BSc DS / BSc EA / BCom
## 364	39.22857	15	Fail
## 365	65.98286	24	BSC DS / BSc EA
## 366	34.29714	12	Fail
## 367	41.14857	16	BSc DS / BSc EA / BCom / BBA
## 368	46.60571	17	BSc DS / BSc EA / BCom / BBA
## 369	36.08000	12	Fail
## 370	56.54286	21	BSc DS / BSc EA / BCom
## 371	34.85143	12	Fail
## 372	54.06857	21	BSc DS / BSc EA / BCom
## 373	68.86286	26	BSC DS / BSc EA
## 374	58.50286	21	BSc DS / BSc EA / BCom
## 375	34.93143	13	Fail
## 376	36.23429	14	Fail
## 377	35.72000	12	Fail
## 378	48.49143	17	BSc DS / BSc EA / BCom / BBA
## 379	51.27429	19	BSc DS / BSc EA / BCom
## 380	37.41714	15	Fail
## 381	38.14857	16	BSc DS / BSc EA / BCom / BBA
## 382	61.85714	24	BSC DS / BSc EA
## 383	45.26857	19	BSc DS / BSc EA / BCom
## 384	66.78857	26	BSC DS / BSc EA
## 385	53.36000	18	BSc DS / BSc EA / BCom / BBA
## 386	14.06857	6	Fail
## 387	36.92000	13	Fail
## 388	41.28000	15	Fail
## 389	62.35429	23	BSC DS / BSc EA
## 390	47.53143	17	BSc DS / BSc EA / BCom / BBA
## 391	47.55429	18	BSc DS / BSc EA / BCom / BBA
## 392	47.35429	17	BSc DS / BSc EA / BCom / BBA
## 393	43.40571	17	BSc DS / BSc EA / BCom / BBA

## 394	66.82286	23	BSC DS / BSc EA
## 395	44.10286	17	BSc DS / BSc EA / BCom / BBA
## 396	43.40571	16	BSc DS / BSc EA / BCom / BBA
## 397	61.62857	24	BSC DS / BSc EA
## 398	38.34857	14	Fail
## 399	49.48000	19	BSc DS / BSc EA / BCom
## 400	57.55429	22	BSC DS / BSc EA
## 401	36.44000	12	Fail
## 402	50.46857	20	BSc DS / BSc EA / BCom
## 403	73.57714	26	BSC DS / BSc EA
## 404	71.53714	26	BSC DS / BSc EA
## 405	24.09714	9	Fail
## 406	65.06286	25	BSC DS / BSc EA
## 407	87.42286	33	BSC DS / BSc EA
## 408	37.15429	12	Fail
## 409	10.11429	5	Fail
## 410	72.78286	29	BSC DS / BSc EA
## 411	54.37714	19	BSc DS / BSc EA / BCom
## 412	67.40571	27	BSC DS / BSc EA
## 413	34.60000	13	Fail
## 414	45.52000	16	BSc DS / BSc EA / BCom / BBA
## 415	42.40000	16	BSc DS / BSc EA / BCom / BBA
## 416	75.01143	31	BSC DS / BSc EA
## 417	43.77714	16	BSc DS / BSc EA / BCom / BBA
## 418	74.68000	29	BSC DS / BSc EA
## 419	35.22286	11	Fail
## 420	63.03429	24	BSC DS / BSc EA
## 421	51.83429	19	BSc DS / BSc EA / BCom
## 422	60.42857	23	BSC DS / BSc EA
## 423	51.58286	20	BSc DS / BSc EA / BCom
## 424	36.37714	15	Fail
## 425	16.94857	7	Fail
## 426	41.05143	15	Fail
## 427	44.94857	17	BSc DS / BSc EA / BCom / BBA
## 428	42.64571	17	BSc DS / BSc EA / BCom / BBA
## 429	50.85143	20	BSc DS / BSc EA / BCom
## 430	44.34857	16	BSc DS / BSc EA / BCom / BBA
## 431	58.96571	21	BSc DS / BSc EA / BCom
## 432	46.86857	17	BSc DS / BSc EA / BCom / BBA
## 433	52.20000	19	BSc DS / BSc EA / BCom
## 434	27.77143	9	Fail
## 435	48.87429	17	BSc DS / BSc EA / BCom / BBA
## 436	47.84571	17	BSc DS / BSc EA / BCom / BBA
## 437	69.37143	28	BSC DS / BSc EA
## 438	46.17714	19	BSc DS / BSc EA / BCom
## 439	34.02286	12	Fail
## 440	40.45714	16	BSc DS / BSc EA / BCom / BBA
## 441	52.25714	21	BSc DS / BSc EA / BCom
## 442	46.42857	17	BSc DS / BSc EA / BCom / BBA
## 443	41.84000	15	Fail
## 444	53.01143	18	BSc DS / BSc EA / BCom / BBA
## 445	46.53714	16	BSc DS / BSc EA / BCom / BBA
## 446	55.30857	20	BSc DS / BSc EA / BCom
## 447	61.13714	21	BSc DS / BSc EA / BCom

## 448	61.87429	24	BSC DS / BSc EA
## 449	52.69143	18	BSc DS / BSc EA / BCom / BBA
## 450	42.29714	16	BSc DS / BSc EA / BCom / BBA
## 451	52.78857	19	BSc DS / BSc EA / BCom
## 452	42.77143	17	BSc DS / BSc EA / BCom / BBA
## 453	52.16000	19	BSc DS / BSc EA / BCom
## 454	31.34286	11	Fail
## 455	37.47429	11	Fail
## 456	45.11429	17	BSc DS / BSc EA / BCom / BBA
## 457	68.94286	24	BSC DS / BSc EA
## 458	54.34857	21	BSc DS / BSc EA / BCom
## 459	40.65714	16	BSc DS / BSc EA / BCom / BBA
## 460	46.25714	15	Fail
## 461	11.40000	5	Fail
## 462	51.54286	20	BSc DS / BSc EA / BCom
## 463	71.66857	27	BSC DS / BSc EA
## 464	39.77714	13	Fail
## 465	53.67429	21	BSc DS / BSc EA / BCom
## 466	68.29143	25	BSC DS / BSc EA
## 467	65.81143	25	BSC DS / BSc EA
## 468	51.66286	19	BSc DS / BSc EA / BCom
## 469	63.55429	24	BSC DS / BSc EA
## 470	40.47429	12	Fail
## 471	37.22286	14	Fail
## 472	73.18857	29	BSC DS / BSc EA
## 473	38.94286	13	Fail
## 474	40.76000	16	BSc DS / BSc EA / BCom / BBA
## 475	35.94286	13	Fail
## 476	55.14286	21	BSc DS / BSc EA / BCom
## 477	42.92000	17	BSc DS / BSc EA / BCom / BBA
## 478	48.75429	17	BSc DS / BSc EA / BCom / BBA
## 479	48.98857	19	BSc DS / BSc EA / BCom
## 480	51.80571	19	BSc DS / BSc EA / BCom
## 481	23.87429	8	Fail
## 482	53.68571	20	BSc DS / BSc EA / BCom
## 483	46.80000	18	BSc DS / BSc EA / BCom / BBA
## 484	55.84571	22	BSC DS / BSc EA
## 485	49.17714	18	BSc DS / BSc EA / BCom / BBA
## 486	16.28571	5	Fail
## 487	43.82286	14	Fail
## 488	66.04000	25	BSC DS / BSc EA
## 489	52.50286	21	BSc DS / BSc EA / BCom
## 490	46.58857	16	BSc DS / BSc EA / BCom / BBA
## 491	31.16571	10	Fail
## 492	58.37714	22	BSC DS / BSc EA
## 493	57.06857	21	BSc DS / BSc EA / BCom
## 494	55.18857	21	BSc DS / BSc EA / BCom
## 495	32.49714	12	Fail
## 496	69.81143	26	BSC DS / BSc EA
## 497	56.78857	20	BSc DS / BSc EA / BCom
## 498	27.69143	12	Fail
## 499	35.26857	12	Fail
## 500	60.72571	23	BSC DS / BSc EA
## 501	44.66857	18	BSc DS / BSc EA / BCom / BBA

## 502	56.04571	20	BSc DS / BSc EA / BCom
## 503	74.41714	28	BSC DS / BSc EA
## 504	58.62857	20	BSc DS / BSc EA / BCom
## 505	70.86857	26	BSC DS / BSc EA
## 506	46.69714	18	BSc DS / BSc EA / BCom / BBA
## 507	45.93714	18	BSc DS / BSc EA / BCom / BBA
## 508	15.50286	5	Fail
## 509	52.30857	19	BSc DS / BSc EA / BCom
## 510	61.34857	24	BSC DS / BSc EA
## 511	55.99429	18	BSc DS / BSc EA / BCom / BBA
## 512	31.35429	11	Fail
## 513	63.32000	23	BSC DS / BSc EA
## 514	55.58857	20	BSc DS / BSc EA / BCom
## 515	42.77714	17	BSc DS / BSc EA / BCom / BBA
## 516	70.33714	27	BSC DS / BSc EA
## 517	45.95429	17	BSc DS / BSc EA / BCom / BBA
## 518	49.13143	18	BSc DS / BSc EA / BCom / BBA
## 519	38.65714	14	Fail
## 520	52.85714	19	BSc DS / BSc EA / BCom
## 521	53.09714	20	BSc DS / BSc EA / BCom
## 522	46.11429	15	Fail
## 523	59.70857	22	BSC DS / BSc EA
## 524	36.37714	13	Fail
## 525	43.66857	15	Fail
## 526	57.58857	22	BSC DS / BSc EA
## 527	59.82286	23	BSC DS / BSc EA
## 528	72.41143	27	BSC DS / BSc EA
## 529	42.12000	14	Fail
## 530	33.52000	11	Fail
## 531	30.84000	12	Fail
## 532	60.07429	21	BSc DS / BSc EA / BCom
## 533	57.97143	23	BSC DS / BSc EA
## 534	60.36000	23	BSC DS / BSc EA
## 535	50.55429	17	BSc DS / BSc EA / BCom / BBA
## 536	45.46857	16	BSc DS / BSc EA / BCom / BBA
## 537	39.00571	14	Fail
## 538	80.38286	31	BSC DS / BSc EA
## 539	40.76571	17	BSc DS / BSc EA / BCom / BBA
## 540	35.70286	15	Fail
## 541	45.12000	14	Fail
## 542	53.73143	20	BSc DS / BSc EA / BCom
## 543	37.46286	14	Fail
## 544	81.34286	30	BSC DS / BSc EA
## 545	50.57714	18	BSc DS / BSc EA / BCom / BBA
## 546	53.50857	19	BSc DS / BSc EA / BCom
## 547	33.13714	10	Fail
## 548	36.70286	12	Fail
## 549	69.05714	27	BSC DS / BSc EA
## 550	60.73143	21	BSc DS / BSc EA / BCom
## 551	47.12571	19	BSc DS / BSc EA / BCom
## 552	59.79429	21	BSc DS / BSc EA / BCom
## 553	51.64000	21	BSc DS / BSc EA / BCom
## 554	69.15429	28	BSC DS / BSc EA
## 555	48.05714	19	BSc DS / BSc EA / BCom

## 556	72.78286	28	BSC DS / BSc EA
## 557	48.59429	19	BSc DS / BSc EA / BCom
## 558	52.14857	20	BSc DS / BSc EA / BCom
## 559	69.36571	26	BSC DS / BSc EA
## 560	50.72000	18	BSc DS / BSc EA / BCom / BBA
## 561	46.71429	15	Fail
## 562	76.21143	29	BSC DS / BSc EA
## 563	52.24000	18	BSc DS / BSc EA / BCom / BBA
## 564	18.38286	6	Fail
## 565	48.49143	17	BSc DS / BSc EA / BCom / BBA
## 566	60.65714	23	BSC DS / BSc EA
## 567	64.36571	24	BSC DS / BSc EA
## 568	53.62286	20	BSc DS / BSc EA / BCom
## 569	63.84571	23	BSC DS / BSc EA
## 570	38.05143	14	Fail
## 571	49.31429	20	BSc DS / BSc EA / BCom
## 572	57.85143	22	BSC DS / BSc EA
## 573	59.98286	21	BSc DS / BSc EA / BCom
## 574	55.55429	22	BSC DS / BSc EA
## 575	32.84000	13	Fail
## 576	51.36000	17	BSc DS / BSc EA / BCom / BBA
## 577	28.45714	12	Fail
## 578	60.96000	21	BSc DS / BSc EA / BCom
## 579	49.97143	19	BSc DS / BSc EA / BCom
## 580	41.86286	16	BSc DS / BSc EA / BCom / BBA
## 581	35.34857	14	Fail
## 582	45.66286	15	Fail
## 583	44.70286	17	BSc DS / BSc EA / BCom / BBA
## 584	56.70286	21	BSc DS / BSc EA / BCom
## 585	55.89714	22	BSC DS / BSc EA
## 586	56.93143	22	BSC DS / BSc EA
## 587	56.08000	21	BSc DS / BSc EA / BCom
## 588	57.96571	22	BSC DS / BSc EA
## 589	42.66286	16	BSc DS / BSc EA / BCom / BBA
## 590	47.73143	17	BSc DS / BSc EA / BCom / BBA
## 591	37.97714	13	Fail
## 592	70.02286	25	BSC DS / BSc EA
## 593	20.18286	8	Fail
## 594	28.42286	9	Fail
## 595	69.39429	27	BSC DS / BSc EA
## 596	37.60571	16	BSc DS / BSc EA / BCom / BBA
## 597	42.28000	16	BSc DS / BSc EA / BCom / BBA
## 598	75.57714	29	BSC DS / BSc EA
## 599	46.44571	15	Fail
## 600	57.45143	20	BSc DS / BSc EA / BCom
## 601	51.31429	21	BSc DS / BSc EA / BCom
## 602	41.83429	15	Fail
## 603	46.64000	18	BSc DS / BSc EA / BCom / BBA
## 604	58.42286	22	BSC DS / BSc EA
## 605	51.90286	21	BSc DS / BSc EA / BCom
## 606	56.13714	20	BSc DS / BSc EA / BCom
## 607	36.63429	13	Fail
## 608	49.53714	17	BSc DS / BSc EA / BCom / BBA
## 609	40.18286	15	Fail

## 610	58.98286	22	BSC DS / BSc EA
## 611	50.26286	20	BSc DS / BSc EA / BCom
## 612	62.74286	23	BSC DS / BSc EA
## 613	27.56571	10	Fail
## 614	48.73143	17	BSc DS / BSc EA / BCom / BBA
## 615	63.67429	23	BSC DS / BSc EA
## 616	30.22857	10	Fail
## 617	23.31429	7	Fail
## 618	46.45143	16	BSc DS / BSc EA / BCom / BBA
## 619	48.27429	18	BSc DS / BSc EA / BCom / BBA
## 620	49.74286	21	BSc DS / BSc EA / BCom
## 621	56.67429	21	BSc DS / BSc EA / BCom
## 622	47.96000	18	BSc DS / BSc EA / BCom / BBA
## 623	74.09714	29	BSC DS / BSc EA
## 624	43.95429	14	Fail
## 625	41.50857	15	Fail
## 626	45.36571	17	BSc DS / BSc EA / BCom / BBA
## 627	49.80571	19	BSc DS / BSc EA / BCom
## 628	27.88000	10	Fail
## 629	47.10857	17	BSc DS / BSc EA / BCom / BBA
## 630	64.65714	23	BSC DS / BSc EA
## 631	46.98286	18	BSc DS / BSc EA / BCom / BBA
## 632	61.19429	23	BSC DS / BSc EA
## 633	33.58286	14	Fail
## 634	55.71429	20	BSc DS / BSc EA / BCom
## 635	65.48571	26	BSC DS / BSc EA
## 636	73.57714	27	BSC DS / BSc EA
## 637	57.08571	23	BSC DS / BSc EA
## 638	62.16571	23	BSC DS / BSc EA
## 639	50.14286	18	BSc DS / BSc EA / BCom / BBA
## 640	57.56571	22	BSC DS / BSc EA
## 641	59.01143	23	BSC DS / BSc EA
## 642	40.56571	17	BSc DS / BSc EA / BCom / BBA
## 643	52.93714	22	BSC DS / BSc EA
## 644	35.14857	14	Fail
## 645	75.46857	28	BSC DS / BSc EA
## 646	46.72571	17	BSc DS / BSc EA / BCom / BBA
## 647	53.50857	20	BSc DS / BSc EA / BCom
## 648	65.88571	26	BSC DS / BSc EA
## 649	34.41714	12	Fail
## 650	43.53714	15	Fail
## 651	36.70286	14	Fail
## 652	60.94857	23	BSC DS / BSc EA
## 653	51.74286	20	BSc DS / BSc EA / BCom
## 654	64.78857	26	BSC DS / BSc EA
## 655	64.38286	23	BSC DS / BSc EA
## 656	66.97714	25	BSC DS / BSc EA
## 657	65.08571	26	BSC DS / BSc EA
## 658	58.97714	24	BSC DS / BSc EA
## 659	53.65143	21	BSc DS / BSc EA / BCom
## 660	43.48000	16	BSc DS / BSc EA / BCom / BBA
## 661	22.76571	8	Fail
## 662	51.88571	18	BSc DS / BSc EA / BCom / BBA
## 663	30.73143	9	Fail

## 664	42.60571	16	BSc DS / BSc EA / BCom / BBA
## 665	36.93143	17	BSc DS / BSc EA / BCom / BBA
## 666	31.15429	10	
## 667	54.14857	19	BSc DS / BSc EA / BCom
## 668	61.92571	22	BSC DS / BSc EA
## 669	56.30286	23	BSC DS / BSc EA
## 670	69.76000	26	BSC DS / BSc EA
## 671	55.32000	19	BSc DS / BSc EA / BCom
## 672	35.21714	12	
## 673	42.29714	16	BSc DS / BSc EA / BCom / BBA
## 674	72.83429	27	BSC DS / BSc EA
## 675	52.13143	19	BSc DS / BSc EA / BCom
## 676	65.01714	23	BSC DS / BSc EA
## 677	54.61714	21	BSc DS / BSc EA / BCom
## 678	59.85714	23	BSC DS / BSc EA
## 679	68.69143	26	BSC DS / BSc EA
## 680	35.12571	12	
## 681	55.57714	22	BSC DS / BSc EA
## 682	40.80000	12	
## 683	51.65714	20	BSc DS / BSc EA / BCom
## 684	41.72571	14	
## 685	46.16571	16	BSc DS / BSc EA / BCom / BBA
## 686	61.27429	22	BSC DS / BSc EA
## 687	61.18857	25	BSC DS / BSc EA
## 688	44.96000	17	BSc DS / BSc EA / BCom / BBA
## 689	67.96000	26	BSC DS / BSc EA
## 690	44.54857	16	BSc DS / BSc EA / BCom / BBA
## 691	57.52571	22	BSC DS / BSc EA
## 692	59.81714	22	BSC DS / BSc EA
## 693	49.05714	19	BSc DS / BSc EA / BCom
## 694	79.21714	31	BSC DS / BSc EA
## 695	48.22857	17	BSc DS / BSc EA / BCom / BBA
## 696	29.76571	10	
## 697	67.08571	24	BSC DS / BSc EA
## 698	32.31429	14	
## 699	62.06857	24	BSC DS / BSc EA
## 700	41.68000	17	BSc DS / BSc EA / BCom / BBA
## 701	59.07429	21	BSc DS / BSc EA / BCom
## 702	47.18286	17	BSc DS / BSc EA / BCom / BBA
## 703	38.85714	14	
## 704	29.20000	12	
## 705	37.69143	12	
## 706	46.84000	16	BSc DS / BSc EA / BCom / BBA
## 707	51.62857	19	BSc DS / BSc EA / BCom
## 708	63.26857	24	BSC DS / BSc EA
## 709	52.57714	22	BSC DS / BSc EA
## 710	83.54286	31	BSC DS / BSc EA
## 711	55.29143	20	BSc DS / BSc EA / BCom
## 712	35.35429	13	
## 713	54.53714	21	BSc DS / BSc EA / BCom
## 714	32.53714	11	
## 715	36.96571	14	
## 716	60.44000	22	BSC DS / BSc EA
## 717	46.90286	18	BSc DS / BSc EA / BCom / BBA

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## 718 47.99429 16 BSc DS / BSc EA / BCom / BBA
## 719 53.85714 18 BSc DS / BSc EA / BCom / BBA
## 720 48.97714 15 Fail
## 721 44.76000 19 BSc DS / BSc EA / BCom
## 722 49.25714 19 BSc DS / BSc EA / BCom
## 723 47.93143 16 BSc DS / BSc EA / BCom / BBA
## 724 50.56571 18 BSc DS / BSc EA / BCom / BBA
## 725 46.18857 18 BSc DS / BSc EA / BCom / BBA
## 726 59.91429 22 BSC DS / BSc EA
## 727 69.35429 25 BSC DS / BSc EA
## 728 36.91429 12 Fail
## 729 54.42857 19 BSc DS / BSc EA / BCom
## 730 76.38857 29 BSC DS / BSc EA
## 731 57.38857 21 BSc DS / BSc EA / BCom
## 732 48.90857 19 BSc DS / BSc EA / BCom
## 733 34.64000 13 Fail
## 734 26.24000 9 Fail
## 735 69.69714 28 BSC DS / BSc EA
## 736 43.92571 18 BSc DS / BSc EA / BCom / BBA
## 737 48.79429 19 BSc DS / BSc EA / BCom
## 738 49.30857 17 BSc DS / BSc EA / BCom / BBA
## 739 58.89714 20 BSc DS / BSc EA / BCom
## 740 42.90286 16 BSc DS / BSc EA / BCom / BBA
## 741 36.80000 13 Fail
## 742 27.04571 12 Fail
## 743 66.57143 26 BSC DS / BSc EA
## 744 59.47429 22 BSC DS / BSc EA
## 745 46.32000 18 BSc DS / BSc EA / BCom / BBA
## 746 49.73143 19 BSc DS / BSc EA / BCom
## 747 36.57714 15 Fail
## 748 67.81143 26 BSC DS / BSc EA
## 749 46.88000 19 BSc DS / BSc EA / BCom
## 750 54.09714 20 BSc DS / BSc EA / BCom
## 751 42.32000 15 Fail
## 752 42.97143 16 BSc DS / BSc EA / BCom / BBA
## 753 23.89714 10 Fail
## 754 48.46857 18 BSc DS / BSc EA / BCom / BBA
## 755 45.43429 19 BSc DS / BSc EA / BCom
## 756 56.86857 21 BSc DS / BSc EA / BCom
## 757 61.25714 23 BSC DS / BSc EA
## 758 35.92571 13 Fail
## 759 50.36000 18 BSc DS / BSc EA / BCom / BBA
## 760 44.63429 17 BSc DS / BSc EA / BCom / BBA
## 761 48.66857 20 BSc DS / BSc EA / BCom
## 762 42.40000 16 BSc DS / BSc EA / BCom / BBA
## 763 57.82286 22 BSC DS / BSc EA
## 764 53.81143 20 BSc DS / BSc EA / BCom
## 765 45.73714 19 BSc DS / BSc EA / BCom
## 766 58.06857 20 BSc DS / BSc EA / BCom
## 767 45.55429 18 BSc DS / BSc EA / BCom / BBA
## 768 51.49714 21 BSc DS / BSc EA / BCom
## 769 59.82286 23 BSC DS / BSc EA
## 770 42.22286 16 BSc DS / BSc EA / BCom / BBA
## 771 61.17143 23 BSC DS / BSc EA

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## 772 34.34286 13 Fail
## 773 57.90857 21 BSc DS / BSc EA / BCom
## 774 51.77714 18 BSc DS / BSc EA / BCom / BBA
## 775 66.88571 25 BSC DS / BSc EA
## 776 56.90857 19 BSc DS / BSc EA / BCom
## 777 69.65143 27 BSC DS / BSc EA
## 778 57.08000 20 BSc DS / BSc EA / BCom
## 779 54.83429 19 BSc DS / BSc EA / BCom
## 780 73.80000 27 BSC DS / BSc EA
## 781 42.68571 17 BSc DS / BSc EA / BCom / BBA
## 782 42.95429 17 BSc DS / BSc EA / BCom / BBA
## 783 55.53143 20 BSc DS / BSc EA / BCom
## 784 31.00000 11 Fail
## 785 52.06286 20 BSc DS / BSc EA / BCom
## 786 56.90857 19 BSc DS / BSc EA / BCom
## 787 48.66857 18 BSc DS / BSc EA / BCom / BBA
## 788 68.78286 28 BSC DS / BSc EA
## 789 53.70286 21 BSc DS / BSc EA / BCom
## 790 63.69714 22 BSC DS / BSc EA
## 791 34.21714 14 Fail
## 792 31.52000 11 Fail
## 793 22.40571 9 Fail
## 794 67.81714 26 BSC DS / BSc EA
## 795 37.93714 12 Fail
## 796 48.52000 19 BSc DS / BSc EA / BCom
## 797 29.15429 11 Fail
## 798 31.17143 12 Fail
## 799 45.82857 16 BSc DS / BSc EA / BCom / BBA
## 800 71.03429 27 BSC DS / BSc EA
## 801 61.18857 22 BSC DS / BSc EA
## 802 51.24571 19 BSc DS / BSc EA / BCom
## 803 48.25143 18 BSc DS / BSc EA / BCom / BBA
## 804 46.42857 17 BSc DS / BSc EA / BCom / BBA
## 805 49.81714 20 BSc DS / BSc EA / BCom
## 806 60.72571 23 BSC DS / BSc EA
## 807 41.32000 16 BSc DS / BSc EA / BCom / BBA
## 808 47.98857 19 BSc DS / BSc EA / BCom
## 809 37.01143 15 Fail
## 810 31.94857 13 Fail
## 811 34.29714 12 Fail
## 812 39.76571 12 Fail
## 813 46.77143 16 BSc DS / BSc EA / BCom / BBA
## 814 34.66857 12 Fail
## 815 55.46286 20 BSc DS / BSc EA / BCom
## 816 52.72000 18 BSc DS / BSc EA / BCom / BBA
## 817 55.72571 23 BSC DS / BSc EA
## 818 40.06857 15 Fail
## 819 58.45714 23 BSC DS / BSc EA
## 820 52.57143 20 BSc DS / BSc EA / BCom
## 821 58.50857 23 BSC DS / BSc EA
## 822 46.20571 16 BSc DS / BSc EA / BCom / BBA
## 823 41.93714 18 BSc DS / BSc EA / BCom / BBA
## 824 63.10857 24 BSC DS / BSc EA
## 825 43.17143 17 BSc DS / BSc EA / BCom / BBA

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## 826	44.76000	18	BSc DS / BSc EA / BCom / BBA
## 827	41.29714	15	Fail
## 828	45.64571	17	BSc DS / BSc EA / BCom / BBA
## 829	71.90857	27	BSC DS / BSc EA
## 830	59.86286	20	BSc DS / BSc EA / BCom
## 831	65.62286	26	BSC DS / BSc EA
## 832	49.39429	20	BSc DS / BSc EA / BCom
## 833	52.55429	19	BSc DS / BSc EA / BCom
## 834	32.61714	12	Fail
## 835	57.73143	22	BSC DS / BSc EA
## 836	59.82286	24	BSC DS / BSc EA
## 837	64.91429	24	BSC DS / BSc EA
## 838	25.82857	9	Fail
## 839	19.73143	9	Fail
## 840	13.74286	6	Fail
## 841	51.45714	19	BSc DS / BSc EA / BCom
## 842	67.54286	25	BSC DS / BSc EA
## 843	36.90286	13	Fail
## 844	43.94286	15	Fail
## 845	69.88571	26	BSC DS / BSc EA
## 846	49.70286	19	BSc DS / BSc EA / BCom
## 847	27.88571	10	Fail
## 848	40.63429	15	Fail
## 849	37.02286	11	Fail
## 850	51.50286	20	BSc DS / BSc EA / BCom
## 851	59.09143	24	BSC DS / BSc EA
## 852	35.18286	13	Fail
## 853	68.00000	26	BSC DS / BSc EA
## 854	55.57143	21	BSc DS / BSc EA / BCom
## 855	34.67429	12	Fail
## 856	58.45143	23	BSC DS / BSc EA
## 857	47.55429	16	BSc DS / BSc EA / BCom / BBA
## 858	55.82286	21	BSc DS / BSc EA / BCom
## 859	62.80571	24	BSC DS / BSc EA
## 860	37.14857	13	Fail
## 861	27.55429	9	Fail
## 862	48.18286	17	BSc DS / BSc EA / BCom / BBA
## 863	31.74286	11	Fail
## 864	56.12571	21	BSc DS / BSc EA / BCom
## 865	67.78286	25	BSC DS / BSc EA
## 866	41.53714	15	Fail
## 867	53.21714	19	BSc DS / BSc EA / BCom
## 868	31.57143	9	Fail
## 869	54.24571	20	BSc DS / BSc EA / BCom
## 870	54.46857	19	BSc DS / BSc EA / BCom
## 871	72.83429	29	BSC DS / BSc EA
## 872	30.40571	11	Fail
## 873	55.04571	21	BSc DS / BSc EA / BCom
## 874	66.12000	26	BSC DS / BSc EA
## 875	68.20571	26	BSC DS / BSc EA
## 876	47.63429	18	BSc DS / BSc EA / BCom / BBA
## 877	57.69143	22	BSC DS / BSc EA
## 878	69.24000	26	BSC DS / BSc EA
## 879	64.24000	24	BSC DS / BSc EA

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## 880 45.89714 15 Fail
## 881 41.62857 15 Fail
## 882 59.95429 22 BSC DS / BSc EA
## 883 44.06286 17 BSc DS / BSc EA / BCom / BBA
## 884 43.14857 13 Fail
## 885 33.54857 12 Fail
## 886 60.86286 22 BSC DS / BSc EA
## 887 33.37143 13 Fail
## 888 36.84000 14 Fail
## 889 56.53143 21 BSc DS / BSc EA / BCom
## 890 53.44571 19 BSc DS / BSc EA / BCom
## 891 54.01143 19 BSc DS / BSc EA / BCom
## 892 62.81714 23 BSC DS / BSc EA
## 893 49.24571 16 BSc DS / BSc EA / BCom / BBA
## 894 44.16000 16 BSc DS / BSc EA / BCom / BBA
## 895 27.13143 10 Fail
## 896 46.26286 16 BSc DS / BSc EA / BCom / BBA
## 897 46.98286 19 BSc DS / BSc EA / BCom
## 898 32.97714 11 Fail
## 899 85.76571 33 BSC DS / BSc EA
## 900 56.76571 22 BSC DS / BSc EA
## 901 69.60000 27 BSC DS / BSc EA
## 902 35.64571 13 Fail
## 903 45.72000 16 BSc DS / BSc EA / BCom / BBA
## 904 46.11429 16 BSc DS / BSc EA / BCom / BBA
## 905 36.50857 11 Fail
## 906 45.05714 17 BSc DS / BSc EA / BCom / BBA
## 907 76.70857 29 BSC DS / BSc EA
## 908 46.38857 18 BSc DS / BSc EA / BCom / BBA
## 909 67.13143 25 BSC DS / BSc EA
## 910 52.60000 20 BSc DS / BSc EA / BCom
## 911 48.86857 18 BSc DS / BSc EA / BCom / BBA
## 912 38.99429 15 Fail
## 913 52.18286 20 BSc DS / BSc EA / BCom
## 914 51.14857 17 BSc DS / BSc EA / BCom / BBA
## 915 41.88000 15 Fail
## 916 61.45143 23 BSC DS / BSc EA
## 917 47.78857 16 BSc DS / BSc EA / BCom / BBA
## 918 55.60000 19 BSc DS / BSc EA / BCom
## 919 35.10286 10 Fail
## 920 58.23429 21 BSc DS / BSc EA / BCom
## 921 53.02286 20 BSc DS / BSc EA / BCom
## 922 62.85143 25 BSC DS / BSc EA
## 923 48.96000 18 BSc DS / BSc EA / BCom / BBA
## 924 50.14286 19 BSc DS / BSc EA / BCom
## 925 43.88000 17 BSc DS / BSc EA / BCom / BBA
## 926 27.28571 11 Fail
## 927 39.02857 16 BSc DS / BSc EA / BCom / BBA
## 928 50.57714 19 BSc DS / BSc EA / BCom
## 929 53.04000 19 BSc DS / BSc EA / BCom
## 930 79.72000 31 BSC DS / BSc EA
## 931 60.22286 22 BSC DS / BSc EA
## 932 68.56571 26 BSC DS / BSc EA
## 933 57.66857 21 BSc DS / BSc EA / BCom

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## 934	63.44000	23	BSC DS / BSc EA
## 935	47.09714	17	BSc DS / BSc EA / BCom / BBA
## 936	45.49143	16	BSc DS / BSc EA / BCom / BBA
## 937	78.02857	30	BSC DS / BSc EA
## 938	48.51429	17	BSc DS / BSc EA / BCom / BBA
## 939	35.22286	12	Fail
## 940	33.99429	12	Fail
## 941	35.02857	13	Fail
## 942	61.69714	24	BSC DS / BSc EA
## 943	60.36000	24	BSC DS / BSc EA
## 944	38.26857	14	Fail
## 945	55.38857	22	BSC DS / BSc EA
## 946	62.20000	22	BSC DS / BSc EA
## 947	66.45714	27	BSC DS / BSc EA
## 948	67.02286	26	BSC DS / BSc EA
## 949	53.39429	19	BSc DS / BSc EA / BCom
## 950	64.01143	23	BSC DS / BSc EA
## 951	51.29143	21	BSc DS / BSc EA / BCom
## 952	25.35429	10	Fail
## 953	72.62286	27	BSC DS / BSc EA
## 954	38.09143	13	Fail
## 955	48.12000	18	BSc DS / BSc EA / BCom / BBA
## 956	63.74286	23	BSC DS / BSc EA
## 957	44.51429	17	BSc DS / BSc EA / BCom / BBA
## 958	51.22857	18	BSc DS / BSc EA / BCom / BBA
## 959	59.65714	22	BSC DS / BSc EA
## 960	38.22857	14	Fail
## 961	58.60571	22	BSC DS / BSc EA
## 962	73.45714	29	BSC DS / BSc EA
## 963	65.70857	25	BSC DS / BSc EA
## 964	28.77143	9	Fail
## 965	49.23429	19	BSc DS / BSc EA / BCom
## 966	47.53143	17	BSc DS / BSc EA / BCom / BBA
## 967	52.46286	20	BSc DS / BSc EA / BCom
## 968	60.02286	22	BSC DS / BSc EA
## 969	58.77143	22	BSC DS / BSc EA
## 970	52.44571	18	BSc DS / BSc EA / BCom / BBA
## 971	71.67429	27	BSC DS / BSc EA
## 972	46.38857	18	BSc DS / BSc EA / BCom / BBA
## 973	47.44000	16	BSc DS / BSc EA / BCom / BBA
## 974	72.42286	28	BSC DS / BSc EA
## 975	42.49714	17	BSc DS / BSc EA / BCom / BBA
## 976	69.01714	26	BSC DS / BSc EA
## 977	62.10286	23	BSC DS / BSc EA
## 978	63.00000	25	BSC DS / BSc EA
## 979	45.03429	16	BSc DS / BSc EA / BCom / BBA
## 980	43.46286	14	Fail
## 981	61.70286	23	BSC DS / BSc EA
## 982	59.18286	24	BSC DS / BSc EA
## 983	37.66857	14	Fail
## 984	52.98857	17	BSc DS / BSc EA / BCom / BBA
## 985	58.73714	23	BSC DS / BSc EA
## 986	63.20571	24	BSC DS / BSc EA
## 987	60.13143	23	BSC DS / BSc EA

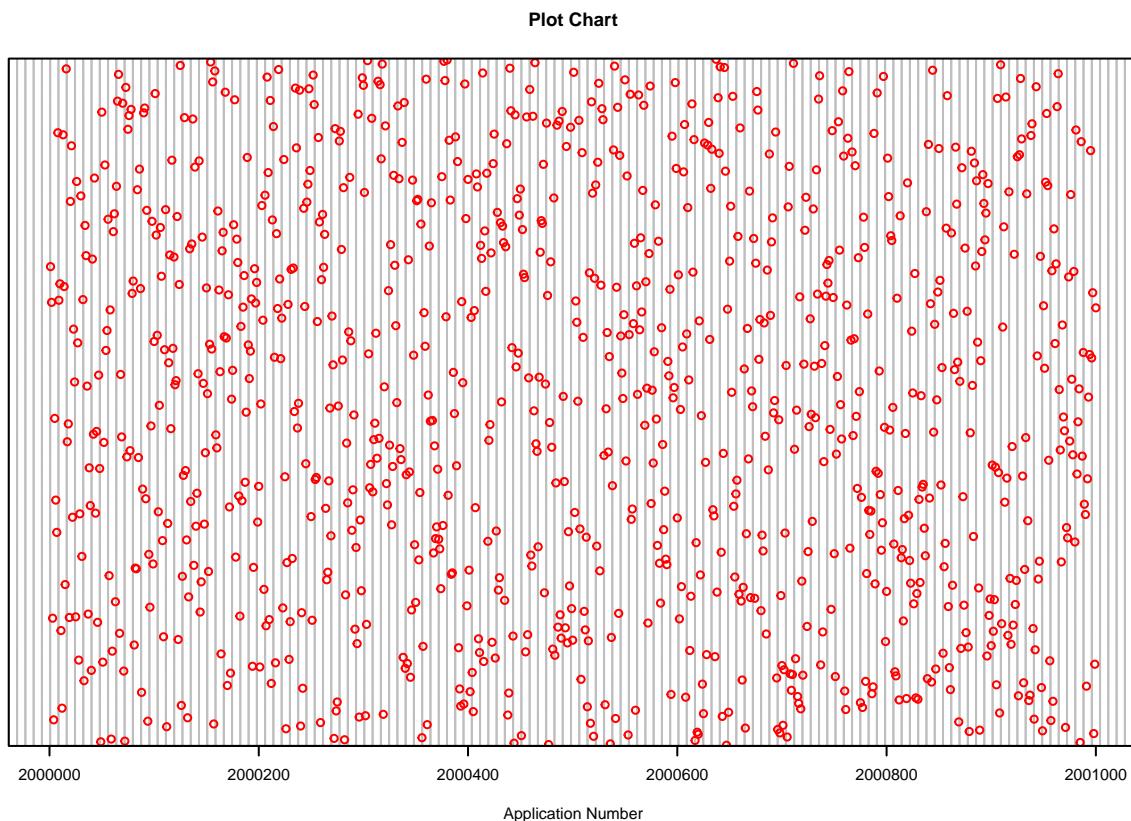
```

## 988    64.85143 25      BSC DS / BSc EA
## 989    43.73714 19      BSc DS / BSc EA / BCom
## 990    60.73714 23      BSC DS / BSc EA
## 991    40.12000 14      Fail
## 992    37.39429 13      Fail
## 993    30.32000 12      Fail
## 994    67.04571 27      BSC DS / BSc EA
## 995    56.36000 21      BSc DS / BSc EA / BCom
## 996    33.84571 13      Fail
## 997    58.16571 20      BSc DS / BSc EA / BCom
## 998    52.51429 20      BSc DS / BSc EA / BCom
## 999    51.54286 19      BSc DS / BSc EA / BCom
## 1000   77.60000 30      BSC DS / BSc EA

```

Q7) Create an appropriate graph to summarise the variables and results.

```
dotchart(data_frame$Application.Number, labels = row.names(data_frame$APS), main = "Plot Chart", xlab =
```



```
#Just trying it out :)
```

```
hist(data_frame$APS, main = "Percentage Histogram", xlab = "Application Number", col = "darkmagenta")
```

Percentage Histogram

