```r
ds.salaries <- read.csv("C:/Users/jeete/OneDrive/Desktop/ds.salaries.csv")
ds.salaries
```

```
##      X work_year experience_level employment_type
## 1    0      2020               MI              FT
## 2    1      2020               SE              FT
## 3    2      2020               SE              FT
## 4    3      2020               MI              FT
## 5    4      2020               SE              FT
## 6    5      2020               EN              FT
## 7    6      2020               SE              FT
## 8    7      2020               MI              FT
## 9    8      2020               MI              FT
## 10   9      2020               SE              FT
## 11  10      2020               EN              FT
## 12  11      2020               MI              FT
## 13  12      2020               EN              FT
## 14  13      2020               MI              FT
## 15  14      2020               MI              FT
## 16  15      2020               MI              FT
## 17  16      2020               EN              FT
## 18  17      2020               SE              FT
## 19  18      2020               EN              FT
## 20  19      2020               MI              FT
## 21  20      2020               MI              FT
## 22  21      2020               MI              FT
## 23  22      2020               SE              FT
## 24  23      2020               MI              FT
## 25  24      2020               MI              FT
## 26  25      2020               EX              FT
## 27  26      2020               EN              FT
## 28  27      2020               SE              FT
## 29  28      2020               EN              CT
## 30  29      2020               SE              FT
## 31  30      2020               MI              FT
## 32  31      2020               EN              FT
## 33  32      2020               SE              FT
## 34  33      2020               MI              FT
## 35  34      2020               MI              FT
## 36  35      2020               MI              FT
## 37  36      2020               MI              FT
## 38  37      2020               EN              FT
## 39  38      2020               EN              FT
## 40  39      2020               EN              FT
## 41  40      2020               MI              FT
## 42  41      2020               EX              FT
## 43  42      2020               MI              FT
## 44  43      2020               MI              FT
## 45  44      2020               MI              FT
## 46  45      2020               EN              PT
## 47  46      2020               MI              FT
## 48  47      2020               SE              FT
## 49  48      2020               MI              FT
```

```
## 50   49    2020         MI          FT
## 51   50    2020         EN          FT
## 52   51    2020         EN          FT
## 53   52    2020         EN          FT
## 54   53    2020         EN          FT
## 55   54    2020         SE          FL
## 56   55    2020         SE          FT
## 57   56    2020         MI          FT
## 58   57    2020         MI          FT
## 59   58    2020         SE          FT
## 60   59    2020         MI          FT
## 61   60    2020         MI          FT
## 62   61    2020         MI          FT
## 63   62    2020         EN          PT
## 64   63    2020         SE          FT
## 65   64    2020         SE          FT
## 66   65    2020         EN          FT
## 67   66    2020         EN          FT
## 68   67    2020         SE          FT
## 69   68    2020         EN          FT
## 70   69    2020         SE          FT
## 71   70    2020         MI          FT
## 72   71    2020         MI          FT
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## 74   73    2021         EX          FT
## 75   74    2021         EX          FT
## 76   75    2021         SE          FT
## 77   76    2021         MI          FT
## 78   77    2021         MI          PT
## 79   78    2021         MI          CT
## 80   79    2021         EN          FT
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## 84   83    2021         MI          FT
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## 102 101    2021         SE          FT
## 103 102    2021         MI          FT
```

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## 148 147      2021              MI              FT
## 149 148      2021              SE              FT
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## 153 152      2021              MI              FT
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## 155 154      2021              SE              FT
## 156 155      2021              SE              FT
## 157 156      2021              MI              FT
```

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## 159 158        2021                SE                FT
## 160 159        2021                EN                FT
## 161 160        2021                EX                FT
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## 191 190        2021                SE                FT
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## 207 206        2021                SE                FT
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## 210 209        2021                SE                FT
## 211 210        2021                MI                FT
```

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## 212 211      2021           MI           FT
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## 249 248      2021           SE           FT
## 250 249      2021           SE           FT
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## 253 252      2021           EX           FT
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```

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## 318 317      2022             SE           FT
## 319 318      2022             SE           FT
```

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```

```
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## 426 425      2022             MI              FT
## 427 426      2022             SE              FT
```

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## 428 427    2022          MI          FT
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## 481 480    2022          SE          FT
```

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```

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## 589 588     2022          SE          FT
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## 602 601      2022            EN           FT
## 603 602      2022            SE           FT
## 604 603      2022            SE           FT
## 605 604      2022            SE           FT
## 606 605      2022            SE           FT
## 607 606      2022            MI           FT
##                                 job_title    salary salary_currency
## 1                          Data Scientist     70000             EUR
## 2               Machine Learning Scientist    260000             USD
## 3                         Big Data Engineer     85000             GBP
## 4                       Product Data Analyst     20000             USD
## 5               Machine Learning Engineer    150000             USD
## 6                            Data Analyst     72000             USD
## 7                       Lead Data Scientist    190000             USD
## 8                          Data Scientist  11000000             HUF
## 9                     Business Data Analyst    135000             USD
## 10                       Lead Data Engineer    125000             USD
## 11                          Data Scientist     45000             EUR
## 12                          Data Scientist   3000000             INR
## 13                          Data Scientist     35000             EUR
## 14                        Lead Data Analyst     87000             USD
## 15                            Data Analyst     85000             USD
## 16                            Data Analyst      8000             USD
## 17                            Data Engineer   4450000             JPY
## 18                        Big Data Engineer    100000             EUR
## 19                 Data Science Consultant    423000             INR
## 20                       Lead Data Engineer     56000             USD
## 21               Machine Learning Engineer    299000             CNY
## 22                     Product Data Analyst    450000             INR
## 23                            Data Engineer     42000             EUR
## 24                            BI Data Analyst     98000             USD
## 25                       Lead Data Scientist    115000             USD
## 26                 Director of Data Science    325000             USD
## 27                        Research Scientist     42000             USD
## 28                            Data Engineer    720000             MXN
## 29                     Business Data Analyst    100000             USD
## 30                 Machine Learning Manager    157000             CAD
## 31                 Data Engineering Manager     51999             EUR
## 32                        Big Data Engineer     70000             USD
## 33                          Data Scientist     60000             EUR
## 34                        Research Scientist    450000             USD
## 35                            Data Analyst     41000             EUR
```

```
## 36                            Data Engineer   65000          EUR
## 37                  Data Science Consultant  103000          USD
## 38              Machine Learning Engineer  250000          USD
## 39                           Data Analyst   10000          USD
## 40              Machine Learning Engineer  138000          USD
## 41                          Data Scientist   45760          USD
## 42                Data Engineering Manager   70000          EUR
## 43  Machine Learning Infrastructure Engineer   44000          EUR
## 44                            Data Engineer  106000          USD
## 45                            Data Engineer   88000          GBP
## 46                              ML Engineer   14000          EUR
## 47                          Data Scientist   60000          GBP
## 48                            Data Engineer  188000          USD
## 49                          Data Scientist  105000          USD
## 50                            Data Engineer   61500          EUR
## 51                           Data Analyst  450000          INR
## 52                           Data Analyst   91000          USD
## 53                             AI Scientist  300000          DKK
## 54                            Data Engineer   48000          EUR
## 55                Computer Vision Engineer   60000          USD
## 56                Principal Data Scientist  130000          EUR
## 57                          Data Scientist   34000          EUR
## 58                          Data Scientist  118000          USD
## 59                          Data Scientist  120000          USD
## 60                          Data Scientist  138350          USD
## 61                            Data Engineer  110000          USD
## 62                            Data Engineer  130800          USD
## 63                          Data Scientist   19000          EUR
## 64                          Data Scientist  412000          USD
## 65              Machine Learning Engineer   40000          EUR
## 66                          Data Scientist   55000          EUR
## 67                          Data Scientist   43200          EUR
## 68                   Data Science Manager  190200          USD
## 69                          Data Scientist  105000          USD
## 70                          Data Scientist   80000          EUR
## 71                          Data Scientist   55000          EUR
## 72                          Data Scientist   37000          EUR
## 73                       Research Scientist   60000          GBP
## 74                         BI Data Analyst  150000          USD
## 75                             Head of Data  235000          USD
## 76                          Data Scientist   45000          EUR
## 77                         BI Data Analyst  100000          USD
## 78             3D Computer Vision Researcher  400000          INR
## 79                              ML Engineer  270000          USD
## 80                           Data Analyst   80000          USD
## 81                Data Analytics Engineer   67000          EUR
## 82                            Data Engineer  140000          USD
## 83                 Applied Data Scientist   68000          CAD
## 84              Machine Learning Engineer   40000          EUR
## 85                 Director of Data Science  130000          EUR
## 86                            Data Engineer  110000          PLN
## 87                           Data Analyst   50000          EUR
## 88                Data Analytics Engineer  110000          USD
## 89                        Lead Data Analyst  170000          USD
```

```
## 90                                   Data Analyst    80000           USD
## 91                         Marketing Data Analyst    75000           EUR
## 92                         Data Science Consultant  65000           EUR
## 93                               Lead Data Analyst 1450000           INR
## 94                               Lead Data Engineer  276000          USD
## 95                                  Data Scientist 2200000           INR
## 96                              Cloud Data Engineer  120000          SGD
## 97                                     AI Scientist   12000          USD
## 98                           Financial Data Analyst  450000          USD
## 99        Computer Vision Software Engineer           70000          USD
## 100       Computer Vision Software Engineer           81000          EUR
## 101                                  Data Analyst    75000           USD
## 102                                  Data Engineer  150000           USD
## 103                              BI Data Analyst 11000000            HUF
## 104                                  Data Analyst    62000           USD
## 105                                  Data Scientist  73000           USD
## 106                                  Data Analyst    37456           GBP
## 107                            Research Scientist  235000            CAD
## 108                                  Data Engineer  115000           USD
## 109                                  Data Engineer  150000           USD
## 110                                  Data Engineer 2250000           INR
## 111                Machine Learning Engineer         80000           EUR
## 112             Director of Data Engineering         82500           GBP
## 113                              Lead Data Engineer   75000          GBP
## 114                                     AI Scientist   12000          USD
## 115                                  Data Engineer   38400           EUR
## 116              Machine Learning Scientist         225000           USD
## 117                                  Data Scientist  50000           USD
## 118                        Data Science Engineer     34000           EUR
## 119                                  Data Analyst    90000           USD
## 120                                  Data Engineer  200000           USD
## 121                             Big Data Engineer    60000           USD
## 122             Principal Data Engineer             200000           USD
## 123                                  Data Analyst    50000           USD
## 124                       Applied Data Scientist     80000           GBP
## 125                                  Data Analyst     8760           EUR
## 126             Principal Data Scientist            151000           USD
## 127             Machine Learning Scientist          120000           USD
## 128                                  Data Scientist  700000          INR
## 129                Machine Learning Engineer         20000           USD
## 130                             Lead Data Scientist 3000000          INR
## 131              Machine Learning Developer         100000           USD
## 132                                  Data Scientist  42000           EUR
## 133     Applied Machine Learning Scientist           38400          USD
## 134             Computer Vision Engineer             24000           USD
## 135                                  Data Scientist 100000           USD
## 136                                  Data Analyst    90000           USD
## 137                                    ML Engineer 7000000           JPY
## 138                                    ML Engineer 8500000           JPY
## 139             Principal Data Scientist            220000           USD
## 140                                  Data Scientist  80000           USD
## 141                                  Data Analyst   135000           USD
## 142                          Data Science Manager   240000           USD
## 143                     Data Engineering Manager    150000           USD
```

14

```
## 144                        Data Scientist      82500         USD
## 145                        Data Engineer       100000        USD
## 146             Machine Learning Engineer        70000        EUR
## 147                   Research Scientist         53000        EUR
## 148                        Data Engineer        90000         USD
## 149               Data Engineering Manager      153000        USD
## 150                   Cloud Data Engineer       160000        USD
## 151                Director of Data Science     168000        USD
## 152                        Data Scientist      150000         USD
## 153                        Data Scientist       95000         CAD
## 154                        Data Scientist       13400         USD
## 155                   Data Science Manager      144000        USD
## 156                  Data Science Engineer      159500        CAD
## 157                        Data Scientist      160000         SGD
## 158    Applied Machine Learning Scientist       423000        USD
## 159                Data Analytics Manager       120000        USD
## 160             Machine Learning Engineer       125000        USD
## 161                          Head of Data       230000        USD
## 162                 Head of Data Science        85000         USD
## 163                        Data Engineer        24000         EUR
## 164                Data Science Consultant       54000        EUR
## 165                Director of Data Science     110000        EUR
## 166                       Data Specialist      165000         USD
## 167                        Data Engineer        80000         USD
## 168                Director of Data Science     250000        USD
## 169                        BI Data Analyst       55000        USD
## 170                        Data Architect      150000         USD
## 171                        Data Architect      170000         USD
## 172                        Data Engineer        60000         GBP
## 173                          Data Analyst       60000         USD
## 174               Principal Data Scientist     235000        USD
## 175                   Research Scientist         51400        EUR
## 176               Data Engineering Manager      174000        USD
## 177                        Data Scientist       58000         MXN
## 178                        Data Scientist 30400000             CLP
## 179             Machine Learning Engineer        81000        USD
## 180                        Data Scientist      420000         INR
## 181                     Big Data Engineer      1672000         INR
## 182                        Data Scientist       76760         EUR
## 183                        Data Engineer        22000         EUR
## 184                  Finance Data Analyst        45000        GBP
## 185           Machine Learning Scientist         12000        USD
## 186                        Data Engineer         4000         USD
## 187               Data Analytics Engineer        50000        USD
## 188                Data Science Consultant       59000        EUR
## 189                        Data Engineer        65000         EUR
## 190             Machine Learning Engineer        74000        USD
## 191                   Data Science Manager      152000        USD
## 192             Machine Learning Engineer        21844        USD
## 193                     Big Data Engineer        18000        USD
## 194                   Data Science Manager      174000        USD
## 195                   Research Scientist        120500        CAD
## 196                        Data Scientist      147000         USD
## 197                        BI Data Analyst        9272        USD
```

```
## 198                  Machine Learning Engineer  1799997       INR
## 199                       Data Science Manager  4000000       INR
## 200                     Data Science Consultant    90000       USD
## 201                              Data Scientist    52000       EUR
## 202 Machine Learning Infrastructure Engineer     195000       USD
## 203                              Data Scientist    32000       EUR
## 204                          Research Scientist    50000       USD
## 205                              Data Scientist   160000       USD
## 206                              Data Scientist    69600       BRL
## 207                   Machine Learning Engineer   200000       USD
## 208                               Data Engineer   165000       USD
## 209                               Data Engineer    20000       USD
## 210                      Data Analytics Manager   120000       USD
## 211                   Machine Learning Engineer    21000       EUR
## 212                          Research Scientist    48000       EUR
## 213                               Data Engineer    48000       GBP
## 214                            Big Data Engineer   435000       INR
## 215                   Machine Learning Engineer    21000       EUR
## 216                      Principal Data Engineer   185000       USD
## 217                     Computer Vision Engineer   180000       DKK
## 218                              Data Scientist    76760       EUR
## 219                   Machine Learning Engineer    75000       EUR
## 220                      Data Analytics Manager   140000       USD
## 221                   Machine Learning Engineer   180000       PLN
## 222                              Data Scientist    85000       GBP
## 223                              Data Scientist  2500000       INR
## 224                              Data Scientist    40900       GBP
## 225                  Machine Learning Scientist   225000       USD
## 226                    Principal Data Scientist   416000       USD
## 227                              Data Scientist   110000       CAD
## 228                              Data Scientist    75000       EUR
## 229                              Data Scientist   135000       USD
## 230                                Data Analyst    90000       CAD
## 231                            Big Data Engineer  1200000       INR
## 232                                 ML Engineer   256000       USD
## 233                 Director of Data Engineering   200000       USD
## 234                                Data Analyst   200000       USD
## 235                              Data Architect   180000       USD
## 236                         Head of Data Science   110000       USD
## 237                          Research Scientist    80000       CAD
## 238                              Data Scientist    39600       EUR
## 239                              Data Scientist     4000       USD
## 240                               Data Engineer  1600000       INR
## 241                              Data Scientist   130000       CAD
## 242                                Data Analyst    80000       USD
## 243                               Data Engineer   110000       USD
## 244                              Data Scientist   165000       USD
## 245                                 AI Scientist  1335000       INR
## 246                               Data Engineer    52500       GBP
## 247                              Data Scientist    31000       EUR
## 248                               Data Engineer   108000       TRY
## 249                               Data Engineer    70000       GBP
## 250                      Principal Data Analyst   170000       USD
## 251                              Data Scientist   115000       USD
```

```
## 252                Data Scientist   90000        USD
## 253     Principal Data Engineer   600000        USD
## 254                Data Scientist  2100000        INR
## 255                 Data Analyst   93000        USD
## 256           Big Data Architect   125000        CAD
## 257                Data Engineer   200000        USD
## 258     Principal Data Scientist   147000        EUR
## 259  Machine Learning Engineer   185000        USD
## 260    Director of Data Science   120000        EUR
## 261                Data Scientist   130000        USD
## 262                 Data Analyst   54000        EUR
## 263                Data Scientist  1250000        INR
## 264  Machine Learning Engineer  4900000        INR
## 265                Data Scientist   21600        EUR
## 266           Lead Data Engineer   160000        USD
## 267                Data Engineer   93150        USD
## 268                Data Engineer   111775        USD
## 269                Data Engineer   250000        TRY
## 270                Data Engineer   55000        EUR
## 271                Data Engineer   72500        USD
## 272    Computer Vision Engineer   102000        BRL
## 273     Data Science Consultant   65000        EUR
## 274  Machine Learning Engineer   85000        USD
## 275                Data Scientist   65720        EUR
## 276                Data Scientist   100000        USD
## 277                Data Scientist   58000        USD
## 278                 AI Scientist   55000        USD
## 279                Data Scientist   180000        TRY
## 280       Business Data Analyst   50000        EUR
## 281                Data Engineer   112000        USD
## 282            Research Scientist   100000        USD
## 283                Data Engineer   59000        EUR
## 284          Staff Data Scientist   105000        USD
## 285            Research Scientist   69999        USD
## 286          Data Science Manager  7000000        INR
## 287                  Head of Data   87000        EUR
## 288                Data Scientist   109000        USD
## 289  Machine Learning Engineer   43200        EUR
## 290                Data Engineer   135000        USD
## 291                 Data Analyst   155000        USD
## 292                 Data Analyst   120600        USD
## 293                Data Scientist   130000        USD
## 294                Data Scientist   90000        USD
## 295                Data Engineer   170000        USD
## 296                Data Engineer   150000        USD
## 297                 Data Analyst   102100        USD
## 298                 Data Analyst   84900        USD
## 299                Data Scientist   136620        USD
## 300                Data Scientist   99360        USD
## 301                Data Scientist   90000        GBP
## 302                Data Scientist   80000        GBP
## 303                Data Scientist   146000        USD
## 304                Data Scientist   123000        USD
## 305                Data Engineer   40000        GBP
```

```
## 306                     Data Analyst    99000        USD
## 307                     Data Analyst   116000        USD
## 308                     Data Analyst   106260        USD
## 309                     Data Analyst   126500        USD
## 310                    Data Engineer   242000        USD
## 311                    Data Engineer   200000        USD
## 312                   Data Scientist    50000        GBP
## 313                   Data Scientist    30000        GBP
## 314                    Data Engineer    60000        GBP
## 315                    Data Engineer    40000        GBP
## 316                   Data Scientist   165220        USD
## 317                    Data Engineer    35000        GBP
## 318                   Data Scientist   120160        USD
## 319                     Data Analyst    90320        USD
## 320                    Data Engineer   181940        USD
## 321                    Data Engineer   132320        USD
## 322                    Data Engineer   220110        USD
## 323                    Data Engineer   160080        USD
## 324                   Data Scientist   180000        USD
## 325                   Data Scientist   120000        USD
## 326                     Data Analyst   124190        USD
## 327                     Data Analyst   130000        USD
## 328                     Data Analyst   110000        USD
## 329                     Data Analyst   170000        USD
## 330                     Data Analyst   115500        USD
## 331                     Data Analyst   112900        USD
## 332                     Data Analyst    90320        USD
## 333                     Data Analyst   112900        USD
## 334                     Data Analyst    90320        USD
## 335                    Data Engineer   165400        USD
## 336                    Data Engineer   132320        USD
## 337                     Data Analyst   167000        USD
## 338                    Data Engineer   243900        USD
## 339                     Data Analyst   136600        USD
## 340                     Data Analyst   109280        USD
## 341                    Data Engineer   128875        USD
## 342                    Data Engineer    93700        USD
## 343            Head of Data Science   224000        USD
## 344            Head of Data Science   167875        USD
## 345             Analytics Engineer   175000        USD
## 346                    Data Engineer   156600        USD
## 347                    Data Engineer   108800        USD
## 348                   Data Scientist    95550        USD
## 349                    Data Engineer   113000        USD
## 350                     Data Analyst   135000        USD
## 351            Data Science Manager   161342        USD
## 352            Data Science Manager   137141        USD
## 353                   Data Scientist   167000        USD
## 354                   Data Scientist   123000        USD
## 355                    Data Engineer    60000        GBP
## 356                    Data Engineer    50000        GBP
## 357                   Data Scientist   150000        USD
## 358                   Data Scientist   211500        USD
## 359                    Data Architect   192400        USD
```

```
## 360                         Data Architect   90700          USD
## 361                           Data Analyst  130000          USD
## 362                           Data Analyst   61300          USD
## 363                           Data Analyst  130000          USD
## 364                           Data Analyst   61300          USD
## 365                           Data Engineer  160000          USD
## 366                          Data Scientist  138600          USD
## 367                           Data Engineer  136000          USD
## 368                           Data Analyst   58000          USD
## 369                      Analytics Engineer  135000          USD
## 370                          Data Scientist  170000          USD
## 371                          Data Scientist  123000          USD
## 372             Machine Learning Engineer  189650          USD
## 373             Machine Learning Engineer  164996          USD
## 374                           ETL Developer   50000          EUR
## 375                           ETL Developer   50000          EUR
## 376                      Lead Data Engineer  150000          CAD
## 377                           Data Analyst  132000          USD
## 378                           Data Engineer  165400          USD
## 379                         Data Architect  208775          USD
## 380                         Data Architect  147800          USD
## 381                           Data Engineer  136994          USD
## 382                           Data Engineer  101570          USD
## 383                           Data Analyst  128875          USD
## 384                           Data Analyst   93700          USD
## 385              Head of Machine Learning 6000000          INR
## 386                           Data Engineer  132320          USD
## 387             Machine Learning Engineer   28500          GBP
## 388                           Data Analyst  164000          USD
## 389                           Data Engineer  155000          USD
## 390             Machine Learning Engineer   95000          GBP
## 391             Machine Learning Engineer   75000          GBP
## 392                             AI Scientist  120000          USD
## 393                           Data Analyst  112900          USD
## 394                           Data Analyst   90320          USD
## 395                 Data Analytics Manager  145000          USD
## 396                 Data Analytics Manager  105400          USD
## 397             Machine Learning Engineer   80000          EUR
## 398                           Data Engineer   90000          GBP
## 399                          Data Scientist  215300          USD
## 400                          Data Scientist  158200          USD
## 401                           Data Engineer  209100          USD
## 402                           Data Engineer  154600          USD
## 403                           Data Analyst  115934          USD
## 404                           Data Analyst   81666          USD
## 405                           Data Engineer  175000          USD
## 406                           Data Engineer   75000          GBP
## 407                           Data Analyst   58000          USD
## 408                           Data Engineer  183600          USD
## 409                           Data Analyst   40000          GBP
## 410                          Data Scientist  180000          USD
## 411                          Data Scientist   55000          GBP
## 412                          Data Scientist   35000          GBP
## 413                           Data Engineer   60000          EUR
```

```
## 414                        Data Engineer    45000          EUR
## 415                        Data Engineer    60000          GBP
## 416                        Data Engineer    45000          GBP
## 417                        Data Scientist   260000         USD
## 418                  Data Science Engineer   60000         USD
## 419                        Data Engineer    63900          USD
## 420            Machine Learning Scientist   160000         USD
## 421            Machine Learning Scientist   112300         USD
## 422                  Data Science Manager   241000         USD
## 423                  Data Science Manager   159000         USD
## 424                        Data Scientist   180000         USD
## 425                        Data Scientist   80000          USD
## 426                        Data Engineer    82900          USD
## 427                        Data Engineer    100800         USD
## 428                        Data Engineer    45000          EUR
## 429                        Data Scientist   140400         USD
## 430                         Data Analyst    30000          GBP
## 431                         Data Analyst    40000          EUR
## 432                         Data Analyst    30000          EUR
## 433                        Data Engineer    80000          EUR
## 434                        Data Engineer    70000          EUR
## 435                        Data Engineer    80000          GBP
## 436                        Data Engineer    70000          GBP
## 437                        Data Engineer    60000          EUR
## 438                        Data Engineer    80000          EUR
## 439            Machine Learning Engineer   189650         USD
## 440            Machine Learning Engineer   164996         USD
## 441                         Data Analyst    40000          EUR
## 442                         Data Analyst    30000          EUR
## 443                        Data Engineer    75000          GBP
## 444                        Data Engineer    60000          GBP
## 445                        Data Scientist   215300         USD
## 446                        Data Engineer    70000          EUR
## 447                        Data Engineer    209100         USD
## 448                        Data Engineer    154600         USD
## 449                        Data Engineer    180000         USD
## 450                          ML Engineer    20000          EUR
## 451                        Data Engineer    80000          USD
## 452            Machine Learning Developer   100000         CAD
## 453              Director of Data Science   250000         CAD
## 454            Machine Learning Engineer   120000         USD
## 455              Computer Vision Engineer   125000         USD
## 456                         NLP Engineer    240000         CNY
## 457                        Data Engineer    105000         USD
## 458       Lead Machine Learning Engineer    80000          EUR
## 459               Business Data Analyst    1400000         INR
## 460                        Data Scientist  2400000         INR
## 461 Machine Learning Infrastructure Engineer   53000       EUR
## 462               Financial Data Analyst   100000         USD
## 463                        Data Engineer    50000          EUR
## 464                        Data Scientist  1400000         INR
## 465             Principal Data Scientist   148000         EUR
## 466                        Data Engineer    120000         USD
## 467                    Research Scientist   144000         USD
```

```
## 468                         Data Scientist  104890           USD
## 469                         Data Engineer   100000           USD
## 470                         Data Scientist  140000           USD
## 471                           Data Analyst  135000           USD
## 472                           Data Analyst   50000           USD
## 473                         Data Scientist  220000           USD
## 474                         Data Scientist  140000           USD
## 475                         Data Scientist  140000           GBP
## 476                         Data Scientist   70000           GBP
## 477                         Data Scientist  185100           USD
## 478          Machine Learning Engineer      220000           USD
## 479                         Data Scientist  200000           USD
## 480                         Data Scientist  120000           USD
## 481          Machine Learning Engineer      120000           USD
## 482          Machine Learning Engineer       65000           USD
## 483                         Data Engineer   324000           USD
## 484                         Data Engineer   216000           USD
## 485                         Data Engineer   210000           USD
## 486          Machine Learning Engineer      120000           USD
## 487                         Data Scientist  230000           USD
## 488                         Data Scientist  100000           USD
## 489                         Data Scientist  100000           USD
## 490 Applied Machine Learning Scientist      29000            EUR
## 491                           Head of Data  200000           USD
## 492                 Principal Data Analyst   75000           USD
## 493                         Data Scientist  150000           PLN
## 494          Machine Learning Developer     100000           CAD
## 495                         Data Scientist  100000           USD
## 496          Machine Learning Scientist     153000           USD
## 497                         Data Engineer    52800           EUR
## 498                         Data Scientist  165000           USD
## 499                     Research Scientist   85000           EUR
## 500                         Data Scientist   66500           CAD
## 501          Machine Learning Engineer       57000           EUR
## 502                           Head of Data   30000           EUR
## 503                         Data Scientist   40000           USD
## 504          Machine Learning Engineer      121000           AUD
## 505                         Data Engineer   115000           USD
## 506                         Data Scientist  120000           AUD
## 507 Applied Machine Learning Scientist      75000            USD
## 508                     Research Scientist   59000           EUR
## 509                     Research Scientist  120000           USD
## 510               Applied Data Scientist    157000           USD
## 511    Computer Vision Software Engineer    150000           USD
## 512                 Business Data Analyst    90000            CAD
## 513                         Data Engineer    65000           USD
## 514          Machine Learning Engineer       65000           EUR
## 515              Data Analytics Engineer     20000           USD
## 516                         Data Scientist   48000           USD
## 517                   Data Science Manager  152500           USD
## 518                         Data Engineer    62000           EUR
## 519                         Data Scientist  115000           CHF
## 520               Applied Data Scientist    380000           USD
## 521                         Data Scientist   88000           CAD
```

```
## 522               Computer Vision Engineer    10000         USD
## 523                         Data Analyst       20000         USD
## 524                   Data Analytics Lead      405000        USD
## 525                        Data Scientist      135000        USD
## 526                Applied Data Scientist      177000        USD
## 527                        Data Scientist       78000        USD
## 528                         Data Analyst      135000         USD
## 529                         Data Analyst      100000         USD
## 530                         Data Analyst       90320         USD
## 531                         Data Analyst       85000         USD
## 532                         Data Analyst       75000         USD
## 533            Machine Learning Engineer      214000         USD
## 534            Machine Learning Engineer      192600         USD
## 535                        Data Architect     266400         USD
## 536                        Data Architect     213120         USD
## 537                         Data Analyst      112900         USD
## 538                        Data Engineer      155000         USD
## 539                        Data Scientist     141300         USD
## 540                        Data Scientist     102100         USD
## 541                         Data Analyst      115934         USD
## 542                         Data Analyst       81666         USD
## 543                        Data Engineer      206699         USD
## 544                        Data Engineer       99100         USD
## 545                        Data Engineer      130000         USD
## 546                        Data Engineer      115000         USD
## 547                        Data Engineer      110500         USD
## 548                        Data Engineer      130000         USD
## 549                         Data Analyst       99050         USD
## 550                        Data Engineer      160000         USD
## 551                        Data Scientist     205300         USD
## 552                        Data Scientist     140400         USD
## 553                        Data Scientist     176000         USD
## 554                        Data Scientist     144000         USD
## 555                        Data Engineer      200100         USD
## 556                        Data Engineer      160000         USD
## 557                        Data Engineer      145000         USD
## 558                        Data Engineer       70500         USD
## 559                        Data Scientist     205300         USD
## 560                        Data Scientist     140400         USD
## 561                   Analytics Engineer      205300         USD
## 562                   Analytics Engineer      184700         USD
## 563                        Data Engineer      175100         USD
## 564                        Data Engineer      140250         USD
## 565                         Data Analyst      116150         USD
## 566                        Data Engineer       54000         USD
## 567                         Data Analyst      170000         USD
## 568                         Data Analyst       50000         GBP
## 569                         Data Analyst       80000         USD
## 570                        Data Scientist     140000         USD
## 571                        Data Scientist     210000         USD
## 572                        Data Scientist     140000         USD
## 573                         Data Analyst      100000         USD
## 574                         Data Analyst       69000         USD
## 575                        Data Scientist     210000         USD
```

```
## 576                Data Scientist 140000              USD
## 577                Data Scientist 210000              USD
## 578                  Data Analyst 150075              USD
## 579                 Data Engineer 100000              USD
## 580                 Data Engineer  25000              USD
## 581                  Data Analyst 126500              USD
## 582                  Data Analyst 106260              USD
## 583                 Data Engineer 220110              USD
## 584                 Data Engineer 160080              USD
## 585                  Data Analyst 105000              USD
## 586                  Data Analyst 110925              USD
## 587                  Data Analyst  35000              GBP
## 588                Data Scientist 140000              USD
## 589                  Data Analyst  99000              USD
## 590                  Data Analyst  60000              USD
## 591                Data Architect 192564              USD
## 592                Data Architect 144854              USD
## 593                Data Scientist 230000              USD
## 594                Data Scientist 150000              USD
## 595        Data Analytics Manager 150260              USD
## 596        Data Analytics Manager 109280              USD
## 597                Data Scientist 210000              USD
## 598                  Data Analyst 170000              USD
## 599                Data Scientist 160000              USD
## 600                Data Scientist 130000              USD
## 601                  Data Analyst  67000              USD
## 602                  Data Analyst  52000              USD
## 603                 Data Engineer 154000              USD
## 604                 Data Engineer 126000              USD
## 605                  Data Analyst 129000              USD
## 606                  Data Analyst 150000              USD
## 607                  AI Scientist 200000              USD
##      salary_in_usd employee_residence remote_ratio company_location company_size
## 1            79833                 DE            0               DE            L
## 2           260000                 JP            0               JP            S
## 3           109024                 GB           50               GB            M
## 4            20000                 HN            0               HN            S
## 5           150000                 US           50               US            L
## 6            72000                 US          100               US            L
## 7           190000                 US          100               US            S
## 8            35735                 HU           50               HU            L
## 9           135000                 US          100               US            L
## 10          125000                 NZ           50               NZ            S
## 11           51321                 FR            0               FR            S
## 12           40481                 IN            0               IN            L
## 13           39916                 FR            0               FR            M
## 14           87000                 US          100               US            L
## 15           85000                 US          100               US            L
## 16            8000                 PK           50               PK            L
## 17           41689                 JP          100               JP            S
## 18          114047                 PL          100               GB            S
## 19            5707                 IN           50               IN            M
## 20           56000                 PT          100               US            M
## 21           43331                 CN            0               CN            M
```

```
## 22       6072          IN      100         IN      L
## 23      47899          GR       50         GR      L
## 24      98000          US        0         US      M
## 25     115000          AE        0         AE      L
## 26     325000          US      100         US      L
## 27      42000          NL       50         NL      L
## 28      33511          MX        0         MX      S
## 29     100000          US      100         US      L
## 30     117104          CA       50         CA      L
## 31      59303          DE      100         DE      S
## 32      70000          US      100         US      L
## 33      68428          GR      100         US      L
## 34     450000          US        0         US      M
## 35      46759          FR       50         FR      L
## 36      74130          AT       50         AT      L
## 37     103000          US      100         US      L
## 38     250000          US       50         US      L
## 39      10000          NG      100         NG      S
## 40     138000          US      100         US      S
## 41      45760          PH      100         US      S
## 42      79833          ES       50         ES      L
## 43      50180          PT        0         PT      M
## 44     106000          US      100         US      L
## 45     112872          GB       50         GB      L
## 46      15966          DE      100         DE      S
## 47      76958          GB      100         GB      S
## 48     188000          US      100         US      L
## 49     105000          US      100         US      L
## 50      70139          FR       50         FR      L
## 51       6072          IN        0         IN      S
## 52      91000          US      100         US      L
## 53      45896          DK       50         DK      S
## 54      54742          PK      100         DE      L
## 55      60000          RU      100         US      S
## 56     148261          DE      100         DE      M
## 57      38776          ES      100         ES      M
## 58     118000          US      100         US      M
## 59     120000          US       50         US      L
## 60     138350          US      100         US      M
## 61     110000          US      100         US      L
## 62     130800          ES      100         US      M
## 63      21669          IT       50         IT      S
## 64     412000          US      100         US      L
## 65      45618          HR      100         HR      S
## 66      62726          DE       50         DE      S
## 67      49268          DE        0         DE      S
## 68     190200          US      100         US      M
## 69     105000          US      100         US      S
## 70      91237          AT        0         AT      S
## 71      62726          FR       50         LU      S
## 72      42197          FR       50         FR      S
## 73      82528          GB       50         GB      L
## 74     150000          IN      100         US      L
## 75     235000          US      100         US      L
```

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## 76      53192    FR    50    FR    L
## 77     100000    US   100    US    M
## 78       5409    IN    50    IN    M
## 79     270000    US   100    US    L
## 80      80000    US   100    US    M
## 81      79197    DE   100    DE    L
## 82     140000    US   100    US    L
## 83      54238    GB    50    CA    L
## 84      47282    ES   100    ES    S
## 85     153667    IT   100    PL    L
## 86      28476    PL   100    PL    L
## 87      59102    FR    50    FR    M
## 88     110000    US   100    US    L
## 89     170000    US   100    US    L
## 90      80000    BG   100    US    S
## 91      88654    GR   100    DK    L
## 92      76833    DE   100    DE    S
## 93      19609    IN   100    IN    L
## 94     276000    US     0    US    L
## 95      29751    IN    50    IN    L
## 96      89294    SG    50    SG    L
## 97      12000    BR   100    US    S
## 98     450000    US   100    US    L
## 99      70000    US   100    US    M
## 100     95746    DE   100    US    S
## 101     75000    US     0    US    L
## 102    150000    US   100    US    L
## 103     36259    HU    50    US    L
## 104     62000    US     0    US    L
## 105     73000    US     0    US    L
## 106     51519    GB    50    GB    L
## 107    187442    CA   100    CA    L
## 108    115000    US   100    US    S
## 109    150000    US   100    US    M
## 110     30428    IN   100    IN    L
## 111     94564    DE    50    DE    L
## 112    113476    GB   100    GB    M
## 113    103160    GB   100    GB    S
## 114     12000    PK   100    US    M
## 115     45391    NL   100    NL    L
## 116    225000    US   100    US    L
## 117     50000    NG   100    NG    L
## 118     40189    GR   100    GR    M
## 119     90000    US   100    US    S
## 120    200000    US   100    US    L
## 121     60000    ES    50    RO    M
## 122    200000    US   100    US    M
## 123     50000    US   100    US    M
## 124    110037    GB     0    GB    L
## 125     10354    ES    50    ES    M
## 126    151000    US   100    US    L
## 127    120000    US    50    US    S
## 128      9466    IN     0    IN    S
## 129     20000    IN   100    IN    S
```

```
## 130     40570        IN      50      IN      L
## 131    100000        IQ      50      IQ      S
## 132     49646        FR      50      FR      M
## 133     38400        VN     100      US      M
## 134     24000        BR     100      BR      M
## 135    100000        US       0      US      S
## 136     90000        US     100      US      M
## 137     63711        JP      50      JP      S
## 138     77364        JP      50      JP      S
## 139    220000        US       0      US      L
## 140     80000        US     100      US      M
## 141    135000        US     100      US      L
## 142    240000        US       0      US      L
## 143    150000        US       0      US      L
## 144     82500        US     100      US      S
## 145    100000        US     100      US      L
## 146     82744        BE      50      BE      M
## 147     62649        FR      50      FR      M
## 148     90000        US     100      US      L
## 149    153000        US     100      US      L
## 150    160000        BR     100      US      S
## 151    168000        JP       0      JP      S
## 152    150000        US     100      US      M
## 153     75774        CA     100      CA      L
## 154     13400        UA     100      UA      L
## 155    144000        US     100      US      L
## 156    127221        CA      50      CA      L
## 157    119059        SG     100      IL      M
## 158    423000        US      50      US      L
## 159    120000        US     100      US      M
## 160    125000        US     100      US      S
## 161    230000        RU      50      RU      L
## 162     85000        RU       0      RU      M
## 163     28369        MT      50      MT      L
## 164     63831        DE      50      DE      L
## 165    130026        DE      50      DE      M
## 166    165000        US     100      US      L
## 167     80000        US     100      US      L
## 168    250000        US       0      US      L
## 169     55000        US      50      US      S
## 170    150000        US     100      US      L
## 171    170000        US     100      US      L
## 172     82528        GB     100      GB      L
## 173     60000        US     100      US      S
## 174    235000        US     100      US      L
## 175     60757        PT      50      PT      L
## 176    174000        US     100      US      L
## 177      2859        MX       0      MX      S
## 178     40038        CL     100      CL      L
## 179     81000        US      50      US      S
## 180      5679        IN     100      US      S
## 181     22611        IN       0      IN      L
## 182     90734        DE      50      DE      L
## 183     26005        RO       0      US      L
```

```
## 184     61896        GB     50         GB       L
## 185     12000        PK     50         PK       M
## 186      4000        IR    100         IR       M
## 187     50000        VN    100         GB       M
## 188     69741        FR    100         ES       S
## 189     76833        RO     50         GB       S
## 190     74000        JP     50         JP       S
## 191    152000        US    100         FR       L
## 192     21844        CO     50         CO       M
## 193     18000        MD      0         MD       S
## 194    174000        US    100         US       L
## 195     96113        CA     50         CA       L
## 196    147000        US     50         US       L
## 197      9272        KE    100         KE       S
## 198     24342        IN    100         IN       L
## 199     54094        IN     50         US       L
## 200     90000        US    100         US       S
## 201     61467        DE     50         AT       M
## 202    195000        US    100         US       M
## 203     37825        ES    100         ES       L
## 204     50000        FR    100         US       S
## 205    160000        US    100         US       L
## 206     12901        BR      0         BR       S
## 207    200000        US    100         US       L
## 208    165000        US      0         US       M
## 209     20000        IT      0         US       L
## 210    120000        US      0         US       L
## 211     24823        SI     50         SI       L
## 212     56738        FR     50         FR       S
## 213     66022        HK     50         GB       S
## 214      5882        IN      0         CH       L
## 215     24823        DE     50         DE       M
## 216    185000        US    100         US       L
## 217     28609        DK     50         DK       S
## 218     90734        DE     50         DE       L
## 219     88654        BE    100         BE       M
## 220    140000        US    100         US       L
## 221     46597        PL    100         PL       L
## 222    116914        GB     50         GB       L
## 223     33808        IN      0         IN       M
## 224     56256        GB     50         GB       L
## 225    225000        US    100         CA       L
## 226    416000        US    100         US       S
## 227     87738        CA    100         CA       S
## 228     88654        DE     50         DE       L
## 229    135000        US      0         US       L
## 230     71786        CA    100         CA       M
## 231     16228        IN    100         IN       L
## 232    256000        US    100         US       S
## 233    200000        US    100         US       L
## 234    200000        US    100         US       L
## 235    180000        US    100         US       L
## 236    110000        US      0         US       S
## 237     63810        CA    100         CA       M
```

```
## 238     46809     ES     100     ES     M
## 239      4000     VN       0     VN     M
## 240     21637     IN      50     IN     M
## 241    103691     CA     100     CA     L
## 242     80000     US     100     US     L
## 243    110000     US     100     US     L
## 244    165000     US     100     US     L
## 245     18053     IN     100     AS     S
## 246     72212     GB      50     GB     L
## 247     36643     FR      50     FR     L
## 248     12103     TR       0     TR     M
## 249     96282     GB      50     GB     L
## 250    170000     US     100     US     M
## 251    115000     US      50     US     L
## 252     90000     US     100     US     S
## 253    600000     US     100     US     L
## 254     28399     IN     100     IN     M
## 255     93000     US     100     US     L
## 256     99703     CA      50     CA     M
## 257    200000     US     100     US     L
## 258    173762     DE     100     DE     M
## 259    185000     US      50     US     L
## 260    141846     DE       0     DE     L
## 261    130000     US      50     US     L
## 262     63831     DE      50     DE     L
## 263     16904     IN     100     IN     S
## 264     66265     IN       0     IN     L
## 265     25532     RS     100     DE     S
## 266    160000     PR      50     US     S
## 267     93150     US       0     US     M
## 268    111775     US       0     US     M
## 269     28016     TR     100     TR     M
## 270     65013     DE      50     DE     M
## 271     72500     US     100     US     L
## 272     18907     BR       0     BR     M
## 273     76833     DE       0     DE     L
## 274     85000     NL     100     DE     S
## 275     77684     FR      50     FR     M
## 276    100000     US     100     US     M
## 277     58000     US      50     US     L
## 278     55000     ES     100     ES     L
## 279     20171     TR      50     TR     L
## 280     59102     LU     100     LU     L
## 281    112000     US     100     US     L
## 282    100000     JE       0     CN     L
## 283     69741     NL     100     NL     L
## 284    105000     US     100     US     M
## 285     69999     CZ      50     CZ     L
## 286     94665     IN      50     IN     L
## 287    102839     SI     100     SI     L
## 288    109000     US      50     US     L
## 289     51064     IT      50     IT     L
## 290    135000     US     100     US     M
## 291    155000     US     100     US     M
```

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## 292    120600         US         100         US         M
## 293    130000         US           0         US         M
## 294     90000         US           0         US         M
## 295    170000         US         100         US         M
## 296    150000         US         100         US         M
## 297    102100         US         100         US         M
## 298     84900         US         100         US         M
## 299    136620         US         100         US         M
## 300     99360         US         100         US         M
## 301    117789         GB           0         GB         M
## 302    104702         GB           0         GB         M
## 303    146000         US         100         US         M
## 304    123000         US         100         US         M
## 305     52351         GB         100         GB         M
## 306     99000         US           0         US         M
## 307    116000         US           0         US         M
## 308    106260         US           0         US         M
## 309    126500         US           0         US         M
## 310    242000         US         100         US         M
## 311    200000         US         100         US         M
## 312     65438         GB           0         GB         M
## 313     39263         GB           0         GB         M
## 314     78526         GB           0         GB         M
## 315     52351         GB           0         GB         M
## 316    165220         US         100         US         M
## 317     45807         GB         100         GB         M
## 318    120160         US         100         US         M
## 319     90320         US         100         US         M
## 320    181940         US           0         US         M
## 321    132320         US           0         US         M
## 322    220110         US           0         US         M
## 323    160080         US           0         US         M
## 324    180000         US           0         US         L
## 325    120000         US           0         US         L
## 326    124190         US         100         US         M
## 327    130000         US         100         US         M
## 328    110000         US         100         US         M
## 329    170000         US         100         US         M
## 330    115500         US         100         US         M
## 331    112900         US         100         US         M
## 332     90320         US         100         US         M
## 333    112900         US         100         US         M
## 334     90320         US         100         US         M
## 335    165400         US         100         US         M
## 336    132320         US         100         US         M
## 337    167000         US         100         US         M
## 338    243900         US         100         US         M
## 339    136600         US         100         US         M
## 340    109280         US         100         US         M
## 341    128875         US         100         US         M
## 342     93700         US         100         US         M
## 343    224000         US         100         US         M
## 344    167875         US         100         US         M
## 345    175000         US         100         US         M
```

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## 346    156600         US         100            US         M
## 347    108800         US           0            US         M
## 348     95550         US           0            US         M
## 349    113000         US           0            US         L
## 350    135000         US         100            US         M
## 351    161342         US         100            US         M
## 352    137141         US         100            US         M
## 353    167000         US         100            US         M
## 354    123000         US         100            US         M
## 355     78526         GB           0            GB         M
## 356     65438         GB           0            GB         M
## 357    150000         US           0            US         M
## 358    211500         US         100            US         M
## 359    192400         CA         100            CA         M
## 360     90700         CA         100            CA         M
## 361    130000         CA         100            CA         M
## 362     61300         CA         100            CA         M
## 363    130000         CA         100            CA         M
## 364     61300         CA         100            CA         M
## 365    160000         US           0            US         L
## 366    138600         US         100            US         M
## 367    136000         US           0            US         M
## 368     58000         US           0            US         S
## 369    135000         US         100            US         M
## 370    170000         US         100            US         M
## 371    123000         US         100            US         M
## 372    189650         US           0            US         M
## 373    164996         US           0            US         M
## 374     54957         GR           0            GR         M
## 375     54957         GR           0            GR         M
## 376    118187         CA         100            CA         S
## 377    132000         US           0            US         M
## 378    165400         US         100            US         M
## 379    208775         US         100            US         M
## 380    147800         US         100            US         M
## 381    136994         US         100            US         M
## 382    101570         US         100            US         M
## 383    128875         US         100            US         M
## 384     93700         US         100            US         M
## 385     79039         IN          50            IN         L
## 386    132320         US         100            US         M
## 387     37300         GB         100            GB         L
## 388    164000         US           0            US         M
## 389    155000         US         100            US         M
## 390    124333         GB           0            GB         M
## 391     98158         GB           0            GB         M
## 392    120000         US           0            US         M
## 393    112900         US         100            US         M
## 394     90320         US         100            US         M
## 395    145000         US         100            US         M
## 396    105400         US         100            US         M
## 397     87932         FR         100            DE         M
## 398    117789         GB           0            GB         M
## 399    215300         US         100            US         L
```

```
## 400    158200           US        100           US        L
## 401    209100           US        100           US        L
## 402    154600           US        100           US        L
## 403    115934           US          0           US        M
## 404     81666           US          0           US        M
## 405    175000           US        100           US        M
## 406     98158           GB          0           GB        M
## 407     58000           US          0           US        S
## 408    183600           US        100           US        L
## 409     52351           GB        100           GB        M
## 410    180000           US        100           US        M
## 411     71982           GB          0           GB        M
## 412     45807           GB          0           GB        M
## 413     65949           GR        100           GR        M
## 414     49461           GR        100           GR        M
## 415     78526           GB        100           GB        M
## 416     58894           GB        100           GB        M
## 417    260000           US        100           US        M
## 418     60000           AR        100           MX        L
## 419     63900           US          0           US        M
## 420    160000           US        100           US        L
## 421    112300           US        100           US        L
## 422    241000           US        100           US        M
## 423    159000           US        100           US        M
## 424    180000           US          0           US        M
## 425     80000           US          0           US        M
## 426     82900           US          0           US        M
## 427    100800           US        100           US        L
## 428     49461           ES        100           ES        M
## 429    140400           US          0           US        L
## 430     39263           GB        100           GB        M
## 431     43966           ES        100           ES        M
## 432     32974           ES        100           ES        M
## 433     87932           ES        100           ES        M
## 434     76940           ES        100           ES        M
## 435    104702           GB        100           GB        M
## 436     91614           GB        100           GB        M
## 437     65949           ES        100           ES        M
## 438     87932           GR        100           GR        M
## 439    189650           US          0           US        M
## 440    164996           US          0           US        M
## 441     43966           GR        100           GR        M
## 442     32974           GR        100           GR        M
## 443     98158           GB        100           GB        M
## 444     78526           GB        100           GB        M
## 445    215300           US          0           US        L
## 446     76940           GR        100           GR        M
## 447    209100           US        100           US        L
## 448    154600           US        100           US        L
## 449    180000           US        100           US        M
## 450     21983           PT        100           PT        L
## 451     80000           US        100           US        M
## 452     78791           CA        100           CA        M
## 453    196979           CA         50           CA        L
```

```
## 454     120000          US          100          US          S
## 455     125000          US            0          US          M
## 456      37236          US           50          US          L
## 457     105000          US          100          US          M
## 458      87932          DE            0          DE          M
## 459      18442          IN          100          IN          M
## 460      31615          IN          100          IN          L
## 461      58255          PT           50          PT          L
## 462     100000          US           50          US          L
## 463      54957          DE           50          DE          L
## 464      18442          IN          100          IN          M
## 465     162674          DE          100          DE          M
## 466     120000          US          100          US          M
## 467     144000          US           50          US          L
## 468     104890          US          100          US          M
## 469     100000          US          100          US          M
## 470     140000          US          100          US          M
## 471     135000          US          100          US          M
## 472      50000          US          100          US          M
## 473     220000          US          100          US          M
## 474     140000          US          100          US          M
## 475     183228          GB            0          GB          M
## 476      91614          GB            0          GB          M
## 477     185100          US          100          US          M
## 478     220000          US          100          US          M
## 479     200000          US          100          US          M
## 480     120000          US          100          US          M
## 481     120000          AE          100          AE          S
## 482      65000          AE          100          AE          S
## 483     324000          US          100          US          M
## 484     216000          US          100          US          M
## 485     210000          US          100          US          M
## 486     120000          US          100          US          M
## 487     230000          US          100          US          M
## 488     100000          DZ           50          DZ          M
## 489     100000          CA          100          US          M
## 490      31875          TN          100          CZ          M
## 491     200000          MY          100          US          M
## 492      75000          CA          100          CA          S
## 493      35590          PL          100          PL          L
## 494      78791          CA          100          CA          M
## 495     100000          BR          100          US          M
## 496     153000          US           50          US          M
## 497      58035          PK          100          DE          M
## 498     165000          US          100          US          M
## 499      93427          FR           50          FR          L
## 500      52396          CA          100          CA          L
## 501      62651          NL          100          NL          L
## 502      32974          EE          100          EE          S
## 503      40000          JP          100          MY          L
## 504      87425          AU          100          AU          L
## 505     115000          US          100          US          M
## 506      86703          AU           50          AU          M
## 507      75000          BO          100          US          L
```

## 508	64849	AT	0	AT	L
## 509	120000	US	100	US	L
## 510	157000	US	100	US	L
## 511	150000	AU	100	AU	S
## 512	70912	CA	50	CA	L
## 513	65000	US	100	US	S
## 514	71444	IE	100	IE	S
## 515	20000	PK	0	PK	M
## 516	48000	RU	100	US	S
## 517	152500	US	100	US	M
## 518	68147	FR	100	FR	M
## 519	122346	CH	0	CH	L
## 520	380000	US	100	US	L
## 521	69336	CA	100	CA	M
## 522	10000	PT	100	LU	M
## 523	20000	GR	100	GR	S
## 524	405000	US	100	US	L
## 525	135000	US	100	US	L
## 526	177000	US	100	US	L
## 527	78000	US	100	US	M
## 528	135000	US	100	US	M
## 529	100000	US	100	US	M
## 530	90320	US	100	US	M
## 531	85000	CA	0	CA	M
## 532	75000	CA	0	CA	M
## 533	214000	US	100	US	M
## 534	192600	US	100	US	M
## 535	266400	US	100	US	M
## 536	213120	US	100	US	M
## 537	112900	US	100	US	M
## 538	155000	US	100	US	M
## 539	141300	US	0	US	M
## 540	102100	US	0	US	M
## 541	115934	US	100	US	M
## 542	81666	US	100	US	M
## 543	206699	US	0	US	M
## 544	99100	US	0	US	M
## 545	130000	US	100	US	M
## 546	115000	US	100	US	M
## 547	110500	US	100	US	M
## 548	130000	US	100	US	M
## 549	99050	US	100	US	M
## 550	160000	US	100	US	M
## 551	205300	US	0	US	L
## 552	140400	US	0	US	L
## 553	176000	US	100	US	M
## 554	144000	US	100	US	M
## 555	200100	US	100	US	M
## 556	160000	US	100	US	M
## 557	145000	US	100	US	M
## 558	70500	US	0	US	M
## 559	205300	US	0	US	M
## 560	140400	US	0	US	M
## 561	205300	US	0	US	M

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## 562          184700              US              0              US              M
## 563          175100              US            100              US              M
## 564          140250              US            100              US              M
## 565          116150              US            100              US              M
## 566           54000              US              0              US              M
## 567          170000              US            100              US              M
## 568           65438              GB              0              GB              M
## 569           80000              US            100              US              M
## 570          140000              US            100              US              M
## 571          210000              US            100              US              M
## 572          140000              US            100              US              M
## 573          100000              US            100              US              M
## 574           69000              US            100              US              M
## 575          210000              US            100              US              M
## 576          140000              US            100              US              M
## 577          210000              US            100              US              M
## 578          150075              US            100              US              M
## 579          100000              US            100              US              M
## 580           25000              US            100              US              M
## 581          126500              US            100              US              M
## 582          106260              US            100              US              M
## 583          220110              US            100              US              M
## 584          160080              US            100              US              M
## 585          105000              US            100              US              M
## 586          110925              US            100              US              M
## 587           45807              GB              0              GB              M
## 588          140000              US            100              US              M
## 589           99000              US              0              US              M
## 590           60000              US            100              US              M
## 591          192564              US            100              US              M
## 592          144854              US            100              US              M
## 593          230000              US            100              US              M
## 594          150000              US            100              US              M
## 595          150260              US            100              US              M
## 596          109280              US            100              US              M
## 597          210000              US            100              US              M
## 598          170000              US            100              US              M
## 599          160000              US            100              US              M
## 600          130000              US            100              US              M
## 601           67000              CA              0              CA              M
## 602           52000              CA              0              CA              M
## 603          154000              US            100              US              M
## 604          126000              US            100              US              M
## 605          129000              US              0              US              M
## 606          150000              US            100              US              M
## 607          200000              IN            100              US              L
```

```
#creating descriptive statistics

summary(ds.salaries)
```

```
##        X            work_year     experience_level   employment_type
##  Min.   :  0.0   Min.   :2020   Length:607         Length:607
##  1st Qu.:151.5   1st Qu.:2021   Class :character   Class :character
```

```
##   Median :303.0   Median :2022   Mode  :character   Mode  :character
##   Mean   :303.0   Mean   :2021
##   3rd Qu.:454.5   3rd Qu.:2022
##   Max.   :606.0   Max.   :2022
##    job_title          salary        salary_currency    salary_in_usd
##   Length:607       Min.   :    4000   Length:607        Min.   :  2859
##   Class :character   1st Qu.:  70000   Class :character   1st Qu.: 62726
##   Mode  :character   Median :  115000   Mode  :character   Median :101570
##                      Mean   :  324000                      Mean   :112298
##                      3rd Qu.:  165000                      3rd Qu.:150000
##                      Max.   :30400000                      Max.   :600000
##   employee_residence  remote_ratio    company_location   company_size
##   Length:607         Min.   :  0.00   Length:607        Length:607
##   Class :character   1st Qu.: 50.00   Class :character   Class :character
##   Mode  :character   Median :100.00   Mode  :character   Mode  :character
##                      Mean   : 70.92
##                      3rd Qu.:100.00
##                      Max.   :100.00
```

```r
#transformation of variable
ds.salaries$salary <- (ds.salaries$salary)/1000
ds.salaries$salary
```

```
##   [1]    70.000    260.000     85.000     20.000    150.000     72.000    190.000
##   [8] 11000.000    135.000    125.000     45.000   3000.000     35.000     87.000
##  [15]    85.000      8.000   4450.000    100.000    423.000     56.000    299.000
##  [22]   450.000     42.000     98.000    115.000    325.000     42.000    720.000
##  [29]   100.000    157.000     51.999     70.000     60.000    450.000     41.000
##  [36]    65.000    103.000    250.000     10.000    138.000     45.760     70.000
##  [43]    44.000    106.000     88.000     14.000     60.000    188.000    105.000
##  [50]    61.500    450.000     91.000    300.000     48.000     60.000    130.000
##  [57]    34.000    118.000    120.000    138.350    110.000    130.800     19.000
##  [64]   412.000     40.000     55.000     43.200    190.200    105.000     80.000
##  [71]    55.000     37.000     60.000    150.000    235.000     45.000    100.000
##  [78]   400.000    270.000     80.000     67.000    140.000     68.000     40.000
##  [85]   130.000    110.000     50.000    110.000    170.000     80.000     75.000
##  [92]    65.000   1450.000    276.000   2200.000    120.000     12.000    450.000
##  [99]    70.000     81.000     75.000    150.000  11000.000     62.000     73.000
## [106]    37.456    235.000    115.000    150.000   2250.000     80.000     82.500
## [113]    75.000     12.000     38.400    225.000     50.000     34.000     90.000
## [120]   200.000     60.000    200.000     50.000     80.000      8.760    151.000
## [127]   120.000    700.000     20.000   3000.000    100.000     42.000     38.400
## [134]    24.000    100.000     90.000   7000.000   8500.000    220.000     80.000
## [141]   135.000    240.000    150.000     82.500    100.000     70.000     53.000
## [148]    90.000    153.000    160.000    168.000    150.000     95.000     13.400
## [155]   144.000    159.500    160.000    423.000    120.000    125.000    230.000
## [162]    85.000     24.000     54.000    110.000    165.000     80.000    250.000
## [169]    55.000    150.000    170.000     60.000     60.000    235.000     51.400
## [176]   174.000     58.000  30400.000     81.000    420.000   1672.000     76.760
## [183]    22.000     45.000     12.000      4.000     50.000     59.000     65.000
## [190]    74.000    152.000     21.844     18.000    174.000    120.500    147.000
## [197]     9.272   1799.997   4000.000     90.000     52.000    195.000     32.000
## [204]    50.000    160.000     69.600    200.000    165.000     20.000    120.000
## [211]    21.000     48.000     48.000    435.000     21.000    185.000    180.000
```
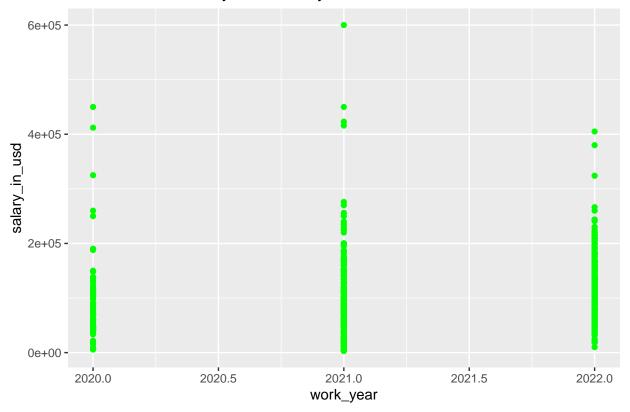
```
## [218]     76.760     75.000    140.000    180.000     85.000   2500.000     40.900
## [225]    225.000    416.000    110.000     75.000    135.000     90.000   1200.000
## [232]    256.000    200.000    200.000    180.000    110.000     80.000     39.600
## [239]      4.000   1600.000    130.000     80.000    110.000    165.000   1335.000
## [246]     52.500     31.000    108.000     70.000    170.000    115.000     90.000
## [253]    600.000   2100.000     93.000    125.000    200.000    147.000    185.000
## [260]    120.000    130.000     54.000   1250.000   4900.000     21.600    160.000
## [267]     93.150    111.775    250.000     55.000     72.500    102.000     65.000
## [274]     85.000     65.720    100.000     58.000     55.000    180.000     50.000
## [281]    112.000    100.000     59.000    105.000     69.999   7000.000     87.000
## [288]    109.000     43.200    135.000    155.000    120.600    130.000     90.000
## [295]    170.000    150.000    102.100     84.900    136.620     99.360     90.000
## [302]     80.000    146.000    123.000     40.000     99.000    116.000    106.260
## [309]    126.500    242.000    200.000     50.000     30.000     60.000     40.000
## [316]    165.220     35.000    120.160     90.320    181.940    132.320    220.110
## [323]    160.080    180.000    120.000    124.190    130.000    110.000    170.000
## [330]    115.500    112.900     90.320    112.900     90.320    165.400    132.320
## [337]    167.000    243.900    136.600    109.280    128.875     93.700    224.000
## [344]    167.875    175.000    156.600    108.800     95.550    113.000    135.000
## [351]    161.342    137.141    167.000    123.000     60.000     50.000    150.000
## [358]    211.500    192.400     90.700    130.000     61.300    130.000     61.300
## [365]    160.000    138.600    136.000     58.000    135.000    170.000    123.000
## [372]    189.650    164.996     50.000     50.000    150.000    132.000    165.400
## [379]    208.775    147.800    136.994    101.570    128.875     93.700   6000.000
## [386]    132.320     28.500    164.000    155.000     95.000     75.000    120.000
## [393]    112.900     90.320    145.000    105.400     80.000     90.000    215.300
## [400]    158.200    209.100    154.600    115.934     81.666    175.000     75.000
## [407]     58.000    183.600     40.000    180.000     55.000     35.000     60.000
## [414]     45.000     60.000     45.000    260.000     60.000     63.900    160.000
## [421]    112.300    241.000    159.000    180.000     80.000     82.900    100.800
## [428]     45.000    140.400     30.000     40.000     30.000     80.000     70.000
## [435]     80.000     70.000     60.000     80.000    189.650    164.996     40.000
## [442]     30.000     75.000     60.000    215.300     70.000    209.100    154.600
## [449]    180.000     20.000     80.000    100.000    250.000    120.000    125.000
## [456]    240.000    105.000     80.000   1400.000   2400.000     53.000    100.000
## [463]     50.000   1400.000    148.000    120.000    144.000    104.890    100.000
## [470]    140.000    135.000     50.000    220.000    140.000    140.000     70.000
## [477]    185.100    220.000    200.000    120.000    120.000     65.000    324.000
## [484]    216.000    210.000    120.000    230.000    100.000    100.000     29.000
## [491]    200.000     75.000    150.000    100.000    100.000    153.000     52.800
## [498]    165.000     85.000     66.500     57.000     30.000     40.000    121.000
## [505]    115.000    120.000     75.000     59.000    120.000    157.000    150.000
## [512]     90.000     65.000     65.000     20.000     48.000    152.500     62.000
## [519]    115.000    380.000     88.000     10.000     20.000    405.000    135.000
## [526]    177.000     78.000    135.000    100.000     90.320     85.000     75.000
## [533]    214.000    192.600    266.400    213.120    112.900    155.000    141.300
## [540]    102.100    115.934     81.666    206.699     99.100    130.000    115.000
## [547]    110.500    130.000     99.050    160.000    205.300    140.400    176.000
## [554]    144.000    200.100    160.000    145.000     70.500    205.300    140.400
## [561]    205.300    184.700    175.100    140.250    116.150     54.000    170.000
## [568]     50.000     80.000    140.000    210.000    140.000    100.000     69.000
## [575]    210.000    140.000    210.000    150.075    100.000     25.000    126.500
## [582]    106.260    220.110    160.080    105.000    110.925     35.000    140.000
## [589]     99.000     60.000    192.564    144.854    230.000    150.000    150.260
```

```
## [596]    109.280     210.000     170.000     160.000     130.000     67.000     52.000
## [603]    154.000     126.000     129.000     150.000     200.000
```

#creating scatterplot

```
library(ggplot2)

ggplot(ds.salaries, aes(x = work_year, y = salary_in_usd)) + geom_point(color = "Green") +
labs(title = "ScatterPlot of Work year & Salary", x = "work_year", y = "salary_in_usd")
```


ScatterPlot of Work year & Salary

#creating histogram

```
library(ggplot2)

ggplot(ds.salaries, aes(x = salary_in_usd)) + geom_histogram(binwidth = 10, fill = "yellow", color = "bl
```

Histogram