Employee Salaries project

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options(repos = c(CRAN = "https://cloud.r-project.org/"))

STEP1: I will load the required packages like ; install.packages(“dplyr”) install.packages(“ggplot2”) install.packages(“tidyverse”)

STEP2: I will load the installed packages

library(dplyr)

##   
## Attaching package: 'dplyr'

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

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

library(ggplot2)  
library(tidyverse)

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
## ✔ forcats 1.0.0 ✔ stringr 1.5.1  
## ✔ lubridate 1.9.3 ✔ tibble 3.2.1  
## ✔ purrr 1.0.2 ✔ tidyr 1.3.1  
## ✔ readr 2.1.5

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()  
## ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

STEP3: I will load the dataset, i used stringsAsFactors = FALSE to ensures text data remains as characters, not factors, which simplifies analysis.

DsSalaries <- read.csv("C:/Users/Administrator/Documents/ds\_salaries.csv", header = TRUE, stringsAsFactors = FALSE)

STEP6: previewing the first 6 dataset

head(DsSalaries)

## X work\_year experience\_level employment\_type job\_title  
## 1 0 2020 MI FT Data Scientist  
## 2 1 2020 SE FT Machine Learning Scientist  
## 3 2 2020 SE FT Big Data Engineer  
## 4 3 2020 MI FT Product Data Analyst  
## 5 4 2020 SE FT Machine Learning Engineer  
## 6 5 2020 EN FT Data Analyst  
## salary salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 70000 EUR 79833 DE 0  
## 2 260000 USD 260000 JP 0  
## 3 85000 GBP 109024 GB 50  
## 4 20000 USD 20000 HN 0  
## 5 150000 USD 150000 US 50  
## 6 72000 USD 72000 US 100  
## company\_location company\_size  
## 1 DE L  
## 2 JP S  
## 3 GB M  
## 4 HN S  
## 5 US L  
## 6 US L

STEP8: The first column seems irrelevant, i will delete it

DsSalaries <- DsSalaries[, -1]

STEP9: Checking to see if step8 worked

head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size  
## 1 DE L  
## 2 JP S  
## 3 GB M  
## 4 HN S  
## 5 US L  
## 6 US L

STEP10: inspecting the dataset

head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size  
## 1 DE L  
## 2 JP S  
## 3 GB M  
## 4 HN S  
## 5 US L  
## 6 US L

str(DsSalaries)

## 'data.frame': 607 obs. of 11 variables:  
## $ work\_year : int 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 ...  
## $ experience\_level : chr "MI" "SE" "SE" "MI" ...  
## $ employment\_type : chr "FT" "FT" "FT" "FT" ...  
## $ job\_title : chr "Data Scientist" "Machine Learning Scientist" "Big Data Engineer" "Product Data Analyst" ...  
## $ salary : int 70000 260000 85000 20000 150000 72000 190000 11000000 135000 125000 ...  
## $ salary\_currency : chr "EUR" "USD" "GBP" "USD" ...  
## $ salary\_in\_usd : int 79833 260000 109024 20000 150000 72000 190000 35735 135000 125000 ...  
## $ employee\_residence: chr "DE" "JP" "GB" "HN" ...  
## $ remote\_ratio : int 0 0 50 0 50 100 100 50 100 50 ...  
## $ company\_location : chr "DE" "JP" "GB" "HN" ...  
## $ company\_size : chr "L" "S" "M" "S" ...

colnames(DsSalaries)

## [1] "work\_year" "experience\_level" "employment\_type"   
## [4] "job\_title" "salary" "salary\_currency"   
## [7] "salary\_in\_usd" "employee\_residence" "remote\_ratio"   
## [10] "company\_location" "company\_size"

names(DsSalaries)

## [1] "work\_year" "experience\_level" "employment\_type"   
## [4] "job\_title" "salary" "salary\_currency"   
## [7] "salary\_in\_usd" "employee\_residence" "remote\_ratio"   
## [10] "company\_location" "company\_size"

summary(DsSalaries)

## work\_year experience\_level employment\_type job\_title   
## Min. :2020 Length:607 Length:607 Length:607   
## 1st Qu.:2021 Class :character Class :character Class :character   
## Median :2022 Mode :character Mode :character Mode :character   
## Mean :2021   
## 3rd Qu.:2022   
## Max. :2022   
## salary salary\_currency salary\_in\_usd employee\_residence  
## Min. : 4000 Length:607 Min. : 2859 Length:607   
## 1st Qu.: 70000 Class :character 1st Qu.: 62726 Class :character   
## Median : 115000 Mode :character Median :101570 Mode :character   
## Mean : 324000 Mean :112298   
## 3rd Qu.: 165000 3rd Qu.:150000   
## Max. :30400000 Max. :600000   
## remote\_ratio company\_location company\_size   
## Min. : 0.00 Length:607 Length:607   
## 1st Qu.: 50.00 Class :character Class :character   
## Median :100.00 Mode :character Mode :character   
## Mean : 70.92   
## 3rd Qu.:100.00   
## Max. :100.00

STEP11: Checking for missing value

missing\_value<- is.na(DsSalaries)  
missing\_value

## work\_year experience\_level employment\_type job\_title salary  
## [1,] FALSE FALSE FALSE FALSE FALSE  
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We can use this also,which will return the number of NA in each column, but there was no missing data

colSums(is.na(DsSalaries))

## work\_year experience\_level employment\_type job\_title   
## 0 0 0 0   
## salary salary\_currency salary\_in\_usd employee\_residence   
## 0 0 0 0   
## remote\_ratio company\_location company\_size   
## 0 0 0

STEP12: Removing Duplicates

# Count duplicates before removing them  
sum(duplicated(DsSalaries))

## [1] 42

#removing the duplicate  
DsSalaries <- unique(DsSalaries)  
# Count duplicates after removing them  
sum(duplicated(DsSalaries))

## [1] 0

# there was no duplicate

STEP13: Data Manipulation, filtering the dataset, i will find the highest earners

high\_salary <- DsSalaries[DsSalaries$salary\_in\_usd > 200000, ]  
high\_salary

## work\_year experience\_level employment\_type  
## 2 2020 SE FT  
## 26 2020 EX FT  
## 34 2020 MI FT  
## 38 2020 EN FT  
## 64 2020 SE FT  
## 75 2021 EX FT  
## 79 2021 MI CT  
## 94 2021 SE FT  
## 98 2021 MI FT  
## 116 2021 EN FT  
## 139 2021 SE FT  
## 142 2021 SE FT  
## 158 2021 MI FT  
## 161 2021 EX FT  
## 168 2021 EX FT  
## 174 2021 SE FT  
## 225 2021 SE FT  
## 226 2021 EX CT  
## 232 2021 SE FT  
## 253 2021 EX FT  
## 310 2022 EX FT  
## 322 2022 SE FT  
## 338 2022 SE FT  
## 343 2022 EX FT  
## 358 2022 SE FT  
## 379 2022 SE FT  
## 399 2022 SE FT  
## 401 2022 SE FT  
## 417 2022 SE FT  
## 422 2022 MI FT  
## 445 2022 SE FT  
## 473 2022 SE FT  
## 478 2022 SE FT  
## 483 2022 EX FT  
## 484 2022 EX FT  
## 485 2022 SE FT  
## 487 2022 SE FT  
## 520 2022 SE FT  
## 524 2022 SE FT  
## 533 2022 SE FT  
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## 543 2022 MI FT  
## 551 2022 SE FT  
## 555 2022 SE FT  
## 559 2022 SE FT  
## 561 2022 SE FT  
## 571 2022 SE FT  
## 583 2022 SE FT  
## job\_title salary salary\_currency salary\_in\_usd  
## 2 Machine Learning Scientist 260000 USD 260000  
## 26 Director of Data Science 325000 USD 325000  
## 34 Research Scientist 450000 USD 450000  
## 38 Machine Learning Engineer 250000 USD 250000  
## 64 Data Scientist 412000 USD 412000  
## 75 Head of Data 235000 USD 235000  
## 79 ML Engineer 270000 USD 270000  
## 94 Lead Data Engineer 276000 USD 276000  
## 98 Financial Data Analyst 450000 USD 450000  
## 116 Machine Learning Scientist 225000 USD 225000  
## 139 Principal Data Scientist 220000 USD 220000  
## 142 Data Science Manager 240000 USD 240000  
## 158 Applied Machine Learning Scientist 423000 USD 423000  
## 161 Head of Data 230000 USD 230000  
## 168 Director of Data Science 250000 USD 250000  
## 174 Principal Data Scientist 235000 USD 235000  
## 225 Machine Learning Scientist 225000 USD 225000  
## 226 Principal Data Scientist 416000 USD 416000  
## 232 ML Engineer 256000 USD 256000  
## 253 Principal Data Engineer 600000 USD 600000  
## 310 Data Engineer 242000 USD 242000  
## 322 Data Engineer 220110 USD 220110  
## 338 Data Engineer 243900 USD 243900  
## 343 Head of Data Science 224000 USD 224000  
## 358 Data Scientist 211500 USD 211500  
## 379 Data Architect 208775 USD 208775  
## 399 Data Scientist 215300 USD 215300  
## 401 Data Engineer 209100 USD 209100  
## 417 Data Scientist 260000 USD 260000  
## 422 Data Science Manager 241000 USD 241000  
## 445 Data Scientist 215300 USD 215300  
## 473 Data Scientist 220000 USD 220000  
## 478 Machine Learning Engineer 220000 USD 220000  
## 483 Data Engineer 324000 USD 324000  
## 484 Data Engineer 216000 USD 216000  
## 485 Data Engineer 210000 USD 210000  
## 487 Data Scientist 230000 USD 230000  
## 520 Applied Data Scientist 380000 USD 380000  
## 524 Data Analytics Lead 405000 USD 405000  
## 533 Machine Learning Engineer 214000 USD 214000  
## 535 Data Architect 266400 USD 266400  
## 536 Data Architect 213120 USD 213120  
## 543 Data Engineer 206699 USD 206699  
## 551 Data Scientist 205300 USD 205300  
## 555 Data Engineer 200100 USD 200100  
## 559 Data Scientist 205300 USD 205300  
## 561 Analytics Engineer 205300 USD 205300  
## 571 Data Scientist 210000 USD 210000  
## 583 Data Engineer 220110 USD 220110  
## employee\_residence remote\_ratio company\_location company\_size  
## 2 JP 0 JP S  
## 26 US 100 US L  
## 34 US 0 US M  
## 38 US 50 US L  
## 64 US 100 US L  
## 75 US 100 US L  
## 79 US 100 US L  
## 94 US 0 US L  
## 98 US 100 US L  
## 116 US 100 US L  
## 139 US 0 US L  
## 142 US 0 US L  
## 158 US 50 US L  
## 161 RU 50 RU L  
## 168 US 0 US L  
## 174 US 100 US L  
## 225 US 100 CA L  
## 226 US 100 US S  
## 232 US 100 US S  
## 253 US 100 US L  
## 310 US 100 US M  
## 322 US 0 US M  
## 338 US 100 US M  
## 343 US 100 US M  
## 358 US 100 US M  
## 379 US 100 US M  
## 399 US 100 US L  
## 401 US 100 US L  
## 417 US 100 US M  
## 422 US 100 US M  
## 445 US 0 US L  
## 473 US 100 US M  
## 478 US 100 US M  
## 483 US 100 US M  
## 484 US 100 US M  
## 485 US 100 US M  
## 487 US 100 US M  
## 520 US 100 US L  
## 524 US 100 US L  
## 533 US 100 US M  
## 535 US 100 US M  
## 536 US 100 US M  
## 543 US 0 US M  
## 551 US 0 US L  
## 555 US 100 US M  
## 559 US 0 US M  
## 561 US 0 US M  
## 571 US 100 US M  
## 583 US 100 US M

STEP14: Sorting salaries in ascending and descending other

# Top salaries  
top\_salaries <- arrange(DsSalaries, desc(salary\_in\_usd))  
top\_salaries

## work\_year experience\_level employment\_type  
## 1 2021 EX FT  
## 2 2020 MI FT  
## 3 2021 MI FT  
## 4 2021 MI FT  
## 5 2021 EX CT  
## 6 2020 SE FT  
## 7 2022 SE FT  
## 8 2022 SE FT  
## 9 2020 EX FT  
## 10 2022 EX FT  
## 11 2021 SE FT  
## 12 2021 MI CT  
## 13 2022 SE FT  
## 14 2020 SE FT  
## 15 2022 SE FT  
## 16 2021 SE FT  
## 17 2020 EN FT  
## 18 2021 EX FT  
## 19 2022 SE FT  
## 20 2022 EX FT  
## 21 2022 MI FT  
## 22 2021 SE FT  
## 23 2021 EX FT  
## 24 2021 SE FT  
## 25 2021 EX FT  
## 26 2022 SE FT  
## 27 2021 EN FT  
## 28 2021 SE FT  
## 29 2022 EX FT  
## 30 2022 SE FT  
## 31 2022 SE FT  
## 32 2021 SE FT  
## 33 2022 SE FT  
## 34 2022 SE FT  
## 35 2022 EX FT  
## 36 2022 SE FT  
## 37 2022 SE FT  
## 38 2022 SE FT  
## 39 2022 SE FT  
## 40 2022 SE FT  
## 41 2022 SE FT  
## 42 2022 SE FT  
## 43 2022 SE FT  
## 44 2022 SE FT  
## 45 2022 MI FT  
## 46 2022 SE FT  
## 47 2022 SE FT  
## 48 2022 SE FT  
## 49 2022 SE FT  
## 50 2021 MI FT  
## 51 2021 SE FT  
## 52 2021 SE FT  
## 53 2021 SE FT  
## 54 2021 SE FT  
## 55 2022 EX FT  
## 56 2022 MI FT  
## 57 2022 SE FT  
## 58 2022 MI FT  
## 59 2022 EX FT  
## 60 2021 SE FT  
## 61 2022 SE FT  
## 62 2022 SE FT  
## 63 2022 SE FT  
## 64 2020 SE FT  
## 65 2020 SE FT  
## 66 2022 SE FT  
## 67 2020 SE FT  
## 68 2021 MI FT  
## 69 2022 SE FT  
## 70 2021 SE FT  
## 71 2021 SE FT  
## 72 2022 SE FT  
## 73 2022 SE FT  
## 74 2022 MI FT  
## 75 2022 SE FT  
## 76 2021 MI FT  
## 77 2022 SE FT  
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## 82 2022 SE FT  
## 83 2022 SE FT  
## 84 2022 EX FT  
## 85 2022 SE FT  
## 86 2021 SE FT  
## 87 2021 SE FT  
## 88 2021 SE FT  
## 89 2021 SE FT  
## 90 2021 MI FT  
## 91 2021 SE FT  
## 92 2022 MI FT  
## 93 2022 SE FT  
## 94 2022 SE FT  
## 95 2021 SE FT  
## 96 2022 EX FT  
## 97 2022 MI FT  
## 98 2022 SE FT  
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## 100 2022 SE FT  
## 101 2021 SE FT  
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## 103 2021 SE FT  
## 104 2022 SE FT  
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## 106 2022 SE FT  
## 107 2022 SE FT  
## 108 2022 SE FT  
## 109 2022 SE FT  
## 110 2022 SE FT  
## 111 2021 SE FT  
## 112 2021 MI FT  
## 113 2021 SE FT  
## 114 2022 SE FT  
## 115 2022 MI FT  
## 116 2022 SE FT  
## 117 2022 MI FT  
## 118 2022 MI FT  
## 119 2022 SE FT  
## 120 2022 MI FT  
## 121 2022 SE FT  
## 122 2022 SE FT  
## 123 2022 SE FT  
## 124 2022 SE FT  
## 125 2022 SE FT  
## 126 2021 EX FT  
## 127 2021 SE FT  
## 128 2022 MI FT  
## 129 2022 SE FT  
## 130 2021 SE FT  
## 131 2021 MI FT  
## 132 2022 SE FT  
## 133 2022 SE FT  
## 134 2020 SE FT  
## 135 2021 EX FT  
## 136 2021 SE FT  
## 137 2021 SE FT  
## 138 2021 SE FT  
## 139 2021 MI FT  
## 140 2021 MI FT  
## 141 2022 MI FT  
## 142 2022 SE FT  
## 143 2022 EN FT  
## 144 2022 SE FT  
## 145 2022 SE FT  
## 146 2020 SE FT  
## 147 2022 SE FT  
## 148 2021 MI FT  
## 149 2022 SE FT  
## 150 2022 SE FT  
## 151 2022 SE FT  
## 152 2022 SE FT  
## 153 2021 SE FT  
## 154 2022 SE FT  
## 155 2022 SE FT  
## 156 2021 EX FT  
## 157 2022 MI FT  
## 158 2022 SE FT  
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## 160 2022 SE FT  
## 161 2021 MI FT  
## 162 2021 SE FT  
## 163 2022 SE FT  
## 164 2022 SE FT  
## 165 2020 MI FT  
## 166 2020 EN FT  
## 167 2022 SE FT  
## 168 2022 SE FT  
## 169 2022 SE FT  
## 170 2022 SE FT  
## 171 2022 SE FT  
## 172 2020 MI FT  
## 173 2021 MI FT  
## 174 2021 SE FT  
## 175 2022 SE FT  
## 176 2022 SE FT  
## 177 2022 EX FT  
## 178 2022 MI FT  
## 179 2022 MI FT  
## 180 2022 SE FT  
## 181 2022 SE FT  
## 182 2022 SE FT  
## 183 2020 MI FT  
## 184 2021 EX FT  
## 185 2021 MI FT  
## 186 2022 MI FT  
## 187 2022 EX FT  
## 188 2022 SE FT  
## 189 2022 SE FT  
## 190 2022 MI FT  
## 191 2022 SE FT  
## 192 2022 SE FT  
## 193 2022 SE FT  
## 194 2021 SE FT  
## 195 2022 MI FT  
## 196 2022 SE FT  
## 197 2022 SE FT  
## 198 2020 SE FT  
## 199 2021 EN FT  
## 200 2022 EN FT  
## 201 2022 MI FT  
## 202 2022 SE FT  
## 203 2022 SE FT  
## 204 2022 MI FT  
## 205 2022 SE FT  
## 206 2022 SE FT  
## 207 2020 SE FT  
## 208 2021 SE FT  
## 209 2021 SE FT  
## 210 2021 SE FT  
## 211 2022 SE FT  
## 212 2022 MI FT  
## 213 2022 MI FT  
## 214 2022 EN FT  
## 215 2022 MI FT  
## 216 2022 SE FT  
## 217 2022 SE FT  
## 218 2022 EN FT  
## 219 2021 MI FT  
## 220 2022 EX FT  
## 221 2020 MI FT  
## 222 2022 SE FT  
## 223 2022 MI FT  
## 224 2020 SE FT  
## 225 2021 MI FT  
## 226 2022 SE FT  
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## 228 2022 SE FT  
## 229 2022 SE FT  
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## 231 2020 MI FT  
## 232 2021 SE FT  
## 233 2021 MI FT  
## 234 2022 SE FT  
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## 236 2021 SE FT  
## 237 2022 SE FT  
## 238 2022 SE FT  
## 239 2020 MI FT  
## 240 2022 MI FT  
## 241 2021 MI FT  
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## 243 2022 SE FT  
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## 245 2021 EN FT  
## 246 2020 MI FT  
## 247 2021 MI FT  
## 248 2021 MI FT  
## 249 2021 MI FT  
## 250 2022 EX FT  
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## 253 2020 SE FT  
## 254 2021 MI FT  
## 255 2022 SE FT  
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## 260 2020 MI FT  
## 261 2020 EN FT  
## 262 2021 SE CT  
## 263 2022 SE FT  
## 264 2022 SE FT  
## 265 2022 SE FT  
## 266 2022 SE FT  
## 267 2022 MI FT  
## 268 2021 SE FT  
## 269 2021 SE FT  
## 270 2020 MI FT  
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## 272 2022 SE FT  
## 273 2022 MI FT  
## 274 2022 SE FT  
## 275 2022 SE FT  
## 276 2020 EN CT  
## 277 2021 MI FT  
## 278 2021 EN FT  
## 279 2021 EN FT  
## 280 2021 MI FT  
## 281 2021 EN FT  
## 282 2021 EN FT  
## 283 2022 EN FT  
## 284 2022 SE FT  
## 285 2022 EN PT  
## 286 2022 MI FL  
## 287 2022 SE FT  
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## 289 2021 SE FT  
## 290 2022 SE FT  
## 291 2022 MI FT  
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## 297 2020 MI FT  
## 298 2021 SE FT  
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## 301 2022 SE FT  
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## 304 2022 SE FT  
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## 306 2022 SE FT  
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## 309 2022 MI FT  
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## 311 2020 SE FT  
## 312 2020 EN FT  
## 313 2021 MI FT  
## 314 2022 SE FT  
## 315 2022 SE FT  
## 316 2021 EN FT  
## 317 2021 MI FT  
## 318 2021 MI FT  
## 319 2021 EN FT  
## 320 2021 EN FT  
## 321 2022 MI FT  
## 322 2021 MI FT  
## 323 2021 SE FT  
## 324 2021 MI FT  
## 325 2021 MI FT  
## 326 2022 MI FT  
## 327 2022 MI FT  
## 328 2022 MI FT  
## 329 2022 SE FT  
## 330 2021 SE FT  
## 331 2022 MI FT  
## 332 2020 MI FT  
## 333 2022 EN FT  
## 334 2020 MI FT  
## 335 2021 EX FT  
## 336 2021 EN FT  
## 337 2022 MI FT  
## 338 2022 SE FT  
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## 340 2021 SE FT  
## 341 2021 EN FT  
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## 344 2022 SE FT  
## 345 2022 SE FT  
## 346 2021 EN FT  
## 347 2021 EN FT  
## 348 2021 SE FT  
## 349 2021 EN FT  
## 350 2021 EN FT  
## 351 2021 MI FT  
## 352 2022 SE FT  
## 353 2022 SE FT  
## 354 2022 SE FT  
## 355 2020 MI FT  
## 356 2020 EX FT  
## 357 2021 SE FT  
## 358 2022 EX FT  
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## 365 2021 SE FT  
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## 367 2020 MI FT  
## 368 2022 MI FT  
## 369 2022 MI FT  
## 370 2021 EN FT  
## 371 2021 SE FT  
## 372 2021 EN FT  
## 373 2021 MI FT  
## 374 2021 MI FT  
## 375 2022 MI FT  
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## 384 2022 MI FT  
## 385 2021 SE FT  
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## 388 2022 SE FT  
## 389 2020 MI FT  
## 390 2020 EN FT  
## 391 2021 EN FT  
## 392 2021 MI FT  
## 393 2021 EX FT  
## 394 2021 MI PT  
## 395 2022 MI FT  
## 396 2022 SE FT  
## 397 2020 SE FT  
## 398 2022 MI FT  
## 399 2022 EN FT  
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## 406 2022 MI FT  
## 407 2021 EN FT  
## 408 2022 SE FT  
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## 411 2022 MI FT  
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## 418 2022 SE FT  
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## 423 2022 SE FT  
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## 425 2020 SE FL  
## 426 2021 MI FT  
## 427 2021 EN FT  
## 428 2022 SE FT  
## 429 2022 SE FT  
## 430 2020 MI FT  
## 431 2021 EN FT  
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## 433 2022 MI FT  
## 434 2022 MI FT  
## 435 2022 EN FT  
## 436 2021 EN FT  
## 437 2022 MI FT  
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## 440 2020 MI FT  
## 441 2021 EN FT  
## 442 2021 SE FT  
## 443 2022 MI FT  
## 444 2022 MI PT  
## 445 2020 EN FT  
## 446 2021 MI FT  
## 447 2021 SE FT  
## 448 2022 SE FT  
## 449 2021 SE FT  
## 450 2022 EN FT  
## 451 2022 EN FT  
## 452 2022 MI FT  
## 453 2022 MI FT  
## 454 2022 EN FT  
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## 463 2022 MI FT  
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## 470 2021 MI FT  
## 471 2021 MI FT  
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## 474 2020 EN FT  
## 475 2022 EN FT  
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## 481 2022 MI FT  
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## 487 2021 SE FT  
## 488 2020 MI FT  
## 489 2021 MI FT  
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## 491 2022 EN FT  
## 492 2020 EN FT  
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## 509 2022 EN CT  
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## 513 2021 EN PT  
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## 520 2022 SE FT  
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## 525 2021 MI FT  
## 526 2022 EN FT  
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## 528 2020 EN PT  
## 529 2021 EN FT  
## 530 2021 SE FT  
## 531 2020 MI FT  
## 532 2021 EN FT  
## 533 2021 MI FL  
## 534 2022 EN FT  
## 535 2022 MI FT  
## 536 2021 MI FT  
## 537 2021 SE FT  
## 538 2022 MI FT  
## 539 2022 EN FT  
## 540 2021 EN FT  
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## 542 2021 MI FT  
## 543 2021 EN FT  
## 544 2020 EN PT  
## 545 2021 EN FT  
## 546 2021 MI FT  
## 547 2021 MI FT  
## 548 2021 EN PT  
## 549 2021 EN PT  
## 550 2021 MI FL  
## 551 2021 EN PT  
## 552 2020 EN FT  
## 553 2022 EN FT  
## 554 2021 MI FT  
## 555 2021 EN FT  
## 556 2020 MI FT  
## 557 2020 MI FT  
## 558 2020 EN FT  
## 559 2021 EN FT  
## 560 2020 EN FT  
## 561 2021 MI FT  
## 562 2021 MI PT  
## 563 2021 MI FT  
## 564 2021 EN FT  
## 565 2021 MI FT  
## job\_title salary salary\_currency  
## 1 Principal Data Engineer 600000 USD  
## 2 Research Scientist 450000 USD  
## 3 Financial Data Analyst 450000 USD  
## 4 Applied Machine Learning Scientist 423000 USD  
## 5 Principal Data Scientist 416000 USD  
## 6 Data Scientist 412000 USD  
## 7 Data Analytics Lead 405000 USD  
## 8 Applied Data Scientist 380000 USD  
## 9 Director of Data Science 325000 USD  
## 10 Data Engineer 324000 USD  
## 11 Lead Data Engineer 276000 USD  
## 12 ML Engineer 270000 USD  
## 13 Data Architect 266400 USD  
## 14 Machine Learning Scientist 260000 USD  
## 15 Data Scientist 260000 USD  
## 16 ML Engineer 256000 USD  
## 17 Machine Learning Engineer 250000 USD  
## 18 Director of Data Science 250000 USD  
## 19 Data Engineer 243900 USD  
## 20 Data Engineer 242000 USD  
## 21 Data Science Manager 241000 USD  
## 22 Data Science Manager 240000 USD  
## 23 Head of Data 235000 USD  
## 24 Principal Data Scientist 235000 USD  
## 25 Head of Data 230000 USD  
## 26 Data Scientist 230000 USD  
## 27 Machine Learning Scientist 225000 USD  
## 28 Machine Learning Scientist 225000 USD  
## 29 Head of Data Science 224000 USD  
## 30 Data Engineer 220110 USD  
## 31 Data Engineer 220110 USD  
## 32 Principal Data Scientist 220000 USD  
## 33 Data Scientist 220000 USD  
## 34 Machine Learning Engineer 220000 USD  
## 35 Data Engineer 216000 USD  
## 36 Data Scientist 215300 USD  
## 37 Data Scientist 215300 USD  
## 38 Machine Learning Engineer 214000 USD  
## 39 Data Architect 213120 USD  
## 40 Data Scientist 211500 USD  
## 41 Data Engineer 210000 USD  
## 42 Data Scientist 210000 USD  
## 43 Data Engineer 209100 USD  
## 44 Data Architect 208775 USD  
## 45 Data Engineer 206699 USD  
## 46 Data Scientist 205300 USD  
## 47 Data Scientist 205300 USD  
## 48 Analytics Engineer 205300 USD  
## 49 Data Engineer 200100 USD  
## 50 Data Engineer 200000 USD  
## 51 Principal Data Engineer 200000 USD  
## 52 Machine Learning Engineer 200000 USD  
## 53 Director of Data Engineering 200000 USD  
## 54 Data Analyst 200000 USD  
## 55 Data Engineer 200000 USD  
## 56 Data Scientist 200000 USD  
## 57 Head of Data 200000 USD  
## 58 AI Scientist 200000 USD  
## 59 Director of Data Science 250000 CAD  
## 60 Machine Learning Infrastructure Engineer 195000 USD  
## 61 Machine Learning Engineer 192600 USD  
## 62 Data Architect 192564 USD  
## 63 Data Architect 192400 USD  
## 64 Data Science Manager 190200 USD  
## 65 Lead Data Scientist 190000 USD  
## 66 Machine Learning Engineer 189650 USD  
## 67 Data Engineer 188000 USD  
## 68 Research Scientist 235000 CAD  
## 69 Data Scientist 185100 USD  
## 70 Principal Data Engineer 185000 USD  
## 71 Machine Learning Engineer 185000 USD  
## 72 Analytics Engineer 184700 USD  
## 73 Data Engineer 183600 USD  
## 74 Data Scientist 140000 GBP  
## 75 Data Engineer 181940 USD  
## 76 Data Architect 180000 USD  
## 77 Data Scientist 180000 USD  
## 78 Data Scientist 180000 USD  
## 79 Data Scientist 180000 USD  
## 80 Data Engineer 180000 USD  
## 81 Applied Data Scientist 177000 USD  
## 82 Data Scientist 176000 USD  
## 83 Data Engineer 175100 USD  
## 84 Analytics Engineer 175000 USD  
## 85 Data Engineer 175000 USD  
## 86 Data Engineering Manager 174000 USD  
## 87 Data Science Manager 174000 USD  
## 88 Principal Data Scientist 147000 EUR  
## 89 Lead Data Analyst 170000 USD  
## 90 Data Architect 170000 USD  
## 91 Principal Data Analyst 170000 USD  
## 92 Data Engineer 170000 USD  
## 93 Data Analyst 170000 USD  
## 94 Data Scientist 170000 USD  
## 95 Director of Data Science 168000 USD  
## 96 Head of Data Science 167875 USD  
## 97 Data Analyst 167000 USD  
## 98 Data Scientist 167000 USD  
## 99 Data Engineer 165400 USD  
## 100 Data Scientist 165220 USD  
## 101 Data Specialist 165000 USD  
## 102 Data Engineer 165000 USD  
## 103 Data Scientist 165000 USD  
## 104 Data Scientist 165000 USD  
## 105 Machine Learning Engineer 164996 USD  
## 106 Data Analyst 164000 USD  
## 107 Principal Data Scientist 148000 EUR  
## 108 Data Science Manager 161342 USD  
## 109 Data Engineer 160080 USD  
## 110 Data Engineer 160080 USD  
## 111 Cloud Data Engineer 160000 USD  
## 112 Data Scientist 160000 USD  
## 113 Lead Data Engineer 160000 USD  
## 114 Data Engineer 160000 USD  
## 115 Machine Learning Scientist 160000 USD  
## 116 Data Engineer 160000 USD  
## 117 Data Scientist 160000 USD  
## 118 Data Science Manager 159000 USD  
## 119 Data Scientist 158200 USD  
## 120 Applied Data Scientist 157000 USD  
## 121 Data Engineer 156600 USD  
## 122 Data Analyst 155000 USD  
## 123 Data Engineer 155000 USD  
## 124 Data Engineer 154600 USD  
## 125 Data Engineer 154000 USD  
## 126 Director of Data Science 130000 EUR  
## 127 Data Engineering Manager 153000 USD  
## 128 Machine Learning Scientist 153000 USD  
## 129 Data Science Manager 152500 USD  
## 130 Data Science Manager 152000 USD  
## 131 Principal Data Scientist 151000 USD  
## 132 Data Analytics Manager 150260 USD  
## 133 Data Analyst 150075 USD  
## 134 Machine Learning Engineer 150000 USD  
## 135 BI Data Analyst 150000 USD  
## 136 Data Engineer 150000 USD  
## 137 Data Engineer 150000 USD  
## 138 Data Engineering Manager 150000 USD  
## 139 Data Scientist 150000 USD  
## 140 Data Architect 150000 USD  
## 141 Data Engineer 150000 USD  
## 142 Data Scientist 150000 USD  
## 143 Computer Vision Software Engineer 150000 USD  
## 144 Data Scientist 150000 USD  
## 145 Data Analyst 150000 USD  
## 146 Principal Data Scientist 130000 EUR  
## 147 Data Architect 147800 USD  
## 148 Data Scientist 147000 USD  
## 149 Data Scientist 146000 USD  
## 150 Data Analytics Manager 145000 USD  
## 151 Data Engineer 145000 USD  
## 152 Data Architect 144854 USD  
## 153 Data Science Manager 144000 USD  
## 154 Research Scientist 144000 USD  
## 155 Data Scientist 144000 USD  
## 156 Director of Data Science 120000 EUR  
## 157 Data Scientist 141300 USD  
## 158 Data Scientist 140400 USD  
## 159 Data Scientist 140400 USD  
## 160 Data Engineer 140250 USD  
## 161 Data Engineer 140000 USD  
## 162 Data Analytics Manager 140000 USD  
## 163 Data Scientist 140000 USD  
## 164 Data Scientist 138600 USD  
## 165 Data Scientist 138350 USD  
## 166 Machine Learning Engineer 138000 USD  
## 167 Data Science Manager 137141 USD  
## 168 Data Engineer 136994 USD  
## 169 Data Scientist 136620 USD  
## 170 Data Analyst 136600 USD  
## 171 Data Engineer 136000 USD  
## 172 Business Data Analyst 135000 USD  
## 173 Data Analyst 135000 USD  
## 174 Data Scientist 135000 USD  
## 175 Data Engineer 135000 USD  
## 176 Data Analyst 135000 USD  
## 177 Analytics Engineer 135000 USD  
## 178 Data Analyst 135000 USD  
## 179 Data Scientist 135000 USD  
## 180 Data Engineer 132320 USD  
## 181 Data Engineer 132320 USD  
## 182 Data Analyst 132000 USD  
## 183 Data Engineer 130800 USD  
## 184 Director of Data Science 110000 EUR  
## 185 Data Scientist 130000 USD  
## 186 Data Scientist 130000 USD  
## 187 Data Analyst 130000 USD  
## 188 Data Analyst 130000 USD  
## 189 Data Engineer 130000 USD  
## 190 Data Scientist 130000 USD  
## 191 Data Analyst 129000 USD  
## 192 Data Engineer 128875 USD  
## 193 Data Analyst 128875 USD  
## 194 Data Science Engineer 159500 CAD  
## 195 Data Analyst 126500 USD  
## 196 Data Analyst 126500 USD  
## 197 Data Engineer 126000 USD  
## 198 Lead Data Engineer 125000 USD  
## 199 Machine Learning Engineer 125000 USD  
## 200 Computer Vision Engineer 125000 USD  
## 201 Machine Learning Engineer 95000 GBP  
## 202 Data Analyst 124190 USD  
## 203 Data Scientist 123000 USD  
## 204 Data Scientist 115000 CHF  
## 205 Data Analyst 120600 USD  
## 206 Data Scientist 120160 USD  
## 207 Data Scientist 120000 USD  
## 208 Machine Learning Scientist 120000 USD  
## 209 Data Analytics Manager 120000 USD  
## 210 Data Analytics Manager 120000 USD  
## 211 Data Scientist 120000 USD  
## 212 AI Scientist 120000 USD  
## 213 Machine Learning Engineer 120000 USD  
## 214 Data Engineer 120000 USD  
## 215 Data Scientist 120000 USD  
## 216 Machine Learning Engineer 120000 USD  
## 217 Machine Learning Engineer 120000 USD  
## 218 Research Scientist 120000 USD  
## 219 Data Scientist 160000 SGD  
## 220 Lead Data Engineer 150000 CAD  
## 221 Data Scientist 118000 USD  
## 222 Data Scientist 90000 GBP  
## 223 Data Engineer 90000 GBP  
## 224 Machine Learning Manager 157000 CAD  
## 225 Data Scientist 85000 GBP  
## 226 Data Analyst 116150 USD  
## 227 Data Analyst 116000 USD  
## 228 Data Analyst 115934 USD  
## 229 Data Analyst 115934 USD  
## 230 Data Analyst 115500 USD  
## 231 Lead Data Scientist 115000 USD  
## 232 Data Engineer 115000 USD  
## 233 Data Scientist 115000 USD  
## 234 Data Engineer 115000 USD  
## 235 Big Data Engineer 100000 EUR  
## 236 Director of Data Engineering 82500 GBP  
## 237 Data Engineer 113000 USD  
## 238 Data Analyst 112900 USD  
## 239 Data Engineer 88000 GBP  
## 240 Machine Learning Scientist 112300 USD  
## 241 Data Engineer 112000 USD  
## 242 Data Engineer 111775 USD  
## 243 Data Analyst 110925 USD  
## 244 Data Engineer 110500 USD  
## 245 Applied Data Scientist 80000 GBP  
## 246 Data Engineer 110000 USD  
## 247 Data Analytics Engineer 110000 USD  
## 248 Head of Data Science 110000 USD  
## 249 Data Engineer 110000 USD  
## 250 Data Analyst 110000 USD  
## 251 Data Analyst 109280 USD  
## 252 Data Analytics Manager 109280 USD  
## 253 Big Data Engineer 85000 GBP  
## 254 Data Scientist 109000 USD  
## 255 Data Engineer 108800 USD  
## 256 Data Analyst 106260 USD  
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## 258 Data Engineer 106000 USD  
## 259 Data Analytics Manager 105400 USD  
## 260 Data Scientist 105000 USD  
## 261 Data Scientist 105000 USD  
## 262 Staff Data Scientist 105000 USD  
## 263 Data Engineer 105000 USD  
## 264 Data Analyst 105000 USD  
## 265 Data Scientist 104890 USD  
## 266 Data Scientist 80000 GBP  
## 267 Data Engineer 80000 GBP  
## 268 Data Scientist 130000 CAD  
## 269 Lead Data Engineer 75000 GBP  
## 270 Data Science Consultant 103000 USD  
## 271 Head of Data 87000 EUR  
## 272 Data Analyst 102100 USD  
## 273 Data Scientist 102100 USD  
## 274 Data Engineer 101570 USD  
## 275 Data Engineer 100800 USD  
## 276 Business Data Analyst 100000 USD  
## 277 BI Data Analyst 100000 USD  
## 278 Machine Learning Developer 100000 USD  
## 279 Data Scientist 100000 USD  
## 280 Data Engineer 100000 USD  
## 281 Data Scientist 100000 USD  
## 282 Research Scientist 100000 USD  
## 283 Financial Data Analyst 100000 USD  
## 284 Data Engineer 100000 USD  
## 285 Data Scientist 100000 USD  
## 286 Data Scientist 100000 USD  
## 287 Data Scientist 100000 USD  
## 288 Data Analyst 100000 USD  
## 289 Big Data Architect 125000 CAD  
## 290 Data Scientist 99360 USD  
## 291 Data Engineer 99100 USD  
## 292 Data Analyst 99050 USD  
## 293 Data Analyst 99000 USD  
## 294 Machine Learning Engineer 75000 GBP  
## 295 Data Engineer 75000 GBP  
## 296 Data Engineer 75000 GBP  
## 297 BI Data Analyst 98000 USD  
## 298 Data Engineer 70000 GBP  
## 299 Research Scientist 120500 CAD  
## 300 Computer Vision Software Engineer 81000 EUR  
## 301 Data Scientist 95550 USD  
## 302 Data Science Manager 7000000 INR  
## 303 Machine Learning Engineer 80000 EUR  
## 304 Data Engineer 93700 USD  
## 305 Data Analyst 93700 USD  
## 306 Research Scientist 85000 EUR  
## 307 Data Engineer 93150 USD  
## 308 Data Analyst 93000 USD  
## 309 Data Engineer 70000 GBP  
## 310 Data Scientist 70000 GBP  
## 311 Data Scientist 80000 EUR  
## 312 Data Analyst 91000 USD  
## 313 Data Scientist 76760 EUR  
## 314 Data Architect 90700 USD  
## 315 Data Analyst 90320 USD  
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## 318 Data Engineer 90000 USD  
## 319 Data Science Consultant 90000 USD  
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## 325 Data Scientist 75000 EUR  
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## 472 Data Analyst 41000 EUR  
## 473 Machine Learning Engineer 180000 PLN  
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## 479 Machine Learning Engineer 40000 EUR  
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## 483 Machine Learning Engineer 299000 CNY  
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## 485 Research Scientist 42000 USD  
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## 487 Lead Data Scientist 3000000 INR  
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## 497 Data Scientist 32000 EUR  
## 498 Machine Learning Engineer 28500 GBP  
## 499 NLP Engineer 240000 CNY  
## 500 Data Scientist 31000 EUR  
## 501 BI Data Analyst 11000000 HUF  
## 502 Data Scientist 11000000 HUF  
## 503 Data Scientist 150000 PLN  
## 504 Data Scientist 2500000 INR  
## 505 Data Engineer 720000 MXN  
## 506 Data Analyst 30000 EUR  
## 507 Data Analyst 30000 EUR  
## 508 Head of Data 30000 EUR  
## 509 Applied Machine Learning Scientist 29000 EUR  
## 510 Data Scientist 2400000 INR  
## 511 Data Engineer 2250000 INR  
## 512 Data Scientist 2200000 INR  
## 513 Computer Vision Engineer 180000 DKK  
## 514 Data Engineer 110000 PLN  
## 515 Data Scientist 2100000 INR  
## 516 Data Engineer 24000 EUR  
## 517 Data Engineer 250000 TRY  
## 518 Data Engineer 22000 EUR  
## 519 Data Scientist 21600 EUR  
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## 521 Machine Learning Engineer 21000 EUR  
## 522 Machine Learning Engineer 21000 EUR  
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## 524 Computer Vision Engineer 24000 USD  
## 525 Big Data Engineer 1672000 INR  
## 526 ML Engineer 20000 EUR  
## 527 Machine Learning Engineer 21844 USD  
## 528 Data Scientist 19000 EUR  
## 529 Data Engineer 1600000 INR  
## 530 Data Scientist 180000 TRY  
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## 532 Machine Learning Engineer 20000 USD  
## 533 Data Engineer 20000 USD  
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## 535 Data Analyst 20000 USD  
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## 538 Business Data Analyst 1400000 INR  
## 539 Data Scientist 1400000 INR  
## 540 AI Scientist 1335000 INR  
## 541 Big Data Engineer 18000 USD  
## 542 Data Scientist 1250000 INR  
## 543 Big Data Engineer 1200000 INR  
## 544 ML Engineer 14000 EUR  
## 545 Data Scientist 13400 USD  
## 546 Data Scientist 69600 BRL  
## 547 Data Engineer 108000 TRY  
## 548 AI Scientist 12000 USD  
## 549 AI Scientist 12000 USD  
## 550 Machine Learning Scientist 12000 USD  
## 551 Data Analyst 8760 EUR  
## 552 Data Analyst 10000 USD  
## 553 Computer Vision Engineer 10000 USD  
## 554 Data Scientist 700000 INR  
## 555 BI Data Analyst 9272 USD  
## 556 Data Analyst 8000 USD  
## 557 Product Data Analyst 450000 INR  
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## 559 Big Data Engineer 435000 INR  
## 560 Data Science Consultant 423000 INR  
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## 562 3D Computer Vision Researcher 400000 INR  
## 563 Data Engineer 4000 USD  
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## 392 69999 CZ 50 CZ L  
## 393 69741 FR 100 ES S  
## 394 69741 NL 100 NL L  
## 395 69336 CA 100 CA M  
## 396 69000 US 100 US M  
## 397 68428 GR 100 US L  
## 398 68147 FR 100 FR M  
## 399 67000 CA 0 CA M  
## 400 66265 IN 0 IN L  
## 401 66022 HK 50 GB S  
## 402 65949 GR 100 GR M  
## 403 65949 ES 100 ES M  
## 404 65438 GB 0 GB M  
## 405 65438 GB 0 GB M  
## 406 65438 GB 0 GB M  
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## 408 65000 AE 100 AE S  
## 409 65000 US 100 US S  
## 410 64849 AT 0 AT L  
## 411 63900 US 0 US M  
## 412 63831 DE 50 DE L  
## 413 63831 DE 50 DE L  
## 414 63810 CA 100 CA M  
## 415 63711 JP 50 JP S  
## 416 62726 DE 50 DE S  
## 417 62726 FR 50 LU S  
## 418 62651 NL 100 NL L  
## 419 62649 FR 50 FR M  
## 420 62000 US 0 US L  
## 421 61896 GB 50 GB L  
## 422 61467 DE 50 AT M  
## 423 61300 CA 100 CA M  
## 424 60757 PT 50 PT L  
## 425 60000 RU 100 US S  
## 426 60000 ES 50 RO M  
## 427 60000 US 100 US S  
## 428 60000 AR 100 MX L  
## 429 60000 US 100 US M  
## 430 59303 DE 100 DE S  
## 431 59102 FR 50 FR M  
## 432 59102 LU 100 LU L  
## 433 58894 GB 100 GB M  
## 434 58255 PT 50 PT L  
## 435 58035 PK 100 DE M  
## 436 58000 US 50 US L  
## 437 58000 US 0 US S  
## 438 56738 FR 50 FR S  
## 439 56256 GB 50 GB L  
## 440 56000 PT 100 US M  
## 441 55000 US 50 US S  
## 442 55000 ES 100 ES L  
## 443 54957 GR 0 GR M  
## 444 54957 DE 50 DE L  
## 445 54742 PK 100 DE L  
## 446 54238 GB 50 CA L  
## 447 54094 IN 50 US L  
## 448 54000 US 0 US M  
## 449 53192 FR 50 FR L  
## 450 52396 CA 100 CA L  
## 451 52351 GB 100 GB M  
## 452 52351 GB 0 GB M  
## 453 52351 GB 100 GB M  
## 454 52000 CA 0 CA M  
## 455 51519 GB 50 GB L  
## 456 51321 FR 0 FR S  
## 457 51064 IT 50 IT L  
## 458 50180 PT 0 PT M  
## 459 50000 NG 100 NG L  
## 460 50000 US 100 US M  
## 461 50000 VN 100 GB M  
## 462 50000 FR 100 US S  
## 463 50000 US 100 US M  
## 464 49646 FR 50 FR M  
## 465 49461 GR 100 GR M  
## 466 49461 ES 100 ES M  
## 467 49268 DE 0 DE S  
## 468 48000 RU 100 US S  
## 469 47899 GR 50 GR L  
## 470 47282 ES 100 ES S  
## 471 46809 ES 100 ES M  
## 472 46759 FR 50 FR L  
## 473 46597 PL 100 PL L  
## 474 45896 DK 50 DK S  
## 475 45807 GB 100 GB M  
## 476 45807 GB 0 GB M  
## 477 45807 GB 0 GB M  
## 478 45760 PH 100 US S  
## 479 45618 HR 100 HR S  
## 480 45391 NL 100 NL L  
## 481 43966 ES 100 ES M  
## 482 43966 GR 100 GR M  
## 483 43331 CN 0 CN M  
## 484 42197 FR 50 FR S  
## 485 42000 NL 50 NL L  
## 486 41689 JP 100 JP S  
## 487 40570 IN 50 IN L  
## 488 40481 IN 0 IN L  
## 489 40189 GR 100 GR M  
## 490 40038 CL 100 CL L  
## 491 40000 JP 100 MY L  
## 492 39916 FR 0 FR M  
## 493 39263 GB 0 GB M  
## 494 39263 GB 100 GB M  
## 495 38776 ES 100 ES M  
## 496 38400 VN 100 US M  
## 497 37825 ES 100 ES L  
## 498 37300 GB 100 GB L  
## 499 37236 US 50 US L  
## 500 36643 FR 50 FR L  
## 501 36259 HU 50 US L  
## 502 35735 HU 50 HU L  
## 503 35590 PL 100 PL L  
## 504 33808 IN 0 IN M  
## 505 33511 MX 0 MX S  
## 506 32974 ES 100 ES M  
## 507 32974 GR 100 GR M  
## 508 32974 EE 100 EE S  
## 509 31875 TN 100 CZ M  
## 510 31615 IN 100 IN L  
## 511 30428 IN 100 IN L  
## 512 29751 IN 50 IN L  
## 513 28609 DK 50 DK S  
## 514 28476 PL 100 PL L  
## 515 28399 IN 100 IN M  
## 516 28369 MT 50 MT L  
## 517 28016 TR 100 TR M  
## 518 26005 RO 0 US L  
## 519 25532 RS 100 DE S  
## 520 25000 US 100 US M  
## 521 24823 SI 50 SI L  
## 522 24823 DE 50 DE M  
## 523 24342 IN 100 IN L  
## 524 24000 BR 100 BR M  
## 525 22611 IN 0 IN L  
## 526 21983 PT 100 PT L  
## 527 21844 CO 50 CO M  
## 528 21669 IT 50 IT S  
## 529 21637 IN 50 IN M  
## 530 20171 TR 50 TR L  
## 531 20000 HN 0 HN S  
## 532 20000 IN 100 IN S  
## 533 20000 IT 0 US L  
## 534 20000 PK 0 PK M  
## 535 20000 GR 100 GR S  
## 536 19609 IN 100 IN L  
## 537 18907 BR 0 BR M  
## 538 18442 IN 100 IN M  
## 539 18442 IN 100 IN M  
## 540 18053 IN 100 AS S  
## 541 18000 MD 0 MD S  
## 542 16904 IN 100 IN S  
## 543 16228 IN 100 IN L  
## 544 15966 DE 100 DE S  
## 545 13400 UA 100 UA L  
## 546 12901 BR 0 BR S  
## 547 12103 TR 0 TR M  
## 548 12000 BR 100 US S  
## 549 12000 PK 100 US M  
## 550 12000 PK 50 PK M  
## 551 10354 ES 50 ES M  
## 552 10000 NG 100 NG S  
## 553 10000 PT 100 LU M  
## 554 9466 IN 0 IN S  
## 555 9272 KE 100 KE S  
## 556 8000 PK 50 PK L  
## 557 6072 IN 100 IN L  
## 558 6072 IN 0 IN S  
## 559 5882 IN 0 CH L  
## 560 5707 IN 50 IN M  
## 561 5679 IN 100 US S  
## 562 5409 IN 50 IN M  
## 563 4000 IR 100 IR M  
## 564 4000 VN 0 VN M  
## 565 2859 MX 0 MX S

# Least salaries  
least\_salaries <- arrange(DsSalaries, salary\_in\_usd)  
least\_salaries

## work\_year experience\_level employment\_type  
## 1 2021 MI FT  
## 2 2021 MI FT  
## 3 2021 EN FT  
## 4 2021 MI PT  
## 5 2021 MI FT  
## 6 2020 EN FT  
## 7 2021 EN FT  
## 8 2020 MI FT  
## 9 2020 EN FT  
## 10 2020 MI FT  
## 11 2021 EN FT  
## 12 2021 MI FT  
## 13 2020 EN FT  
## 14 2022 EN FT  
## 15 2021 EN PT  
## 16 2021 EN PT  
## 17 2021 EN PT  
## 18 2021 MI FL  
## 19 2021 MI FT  
## 20 2021 MI FT  
## 21 2021 EN FT  
## 22 2020 EN PT  
## 23 2021 EN FT  
## 24 2021 MI FT  
## 25 2021 MI FT  
## 26 2021 EN FT  
## 27 2022 MI FT  
## 28 2022 EN FT  
## 29 2021 SE FT  
## 30 2021 MI FT  
## 31 2020 MI FT  
## 32 2021 EN FT  
## 33 2021 MI FL  
## 34 2022 EN FT  
## 35 2022 MI FT  
## 36 2021 SE FT  
## 37 2021 EN FT  
## 38 2020 EN PT  
## 39 2021 EN FT  
## 40 2022 EN FT  
## 41 2021 MI FT  
## 42 2021 SE FT  
## 43 2021 SE FT  
## 44 2021 MI FT  
## 45 2021 EN FT  
## 46 2022 SE FT  
## 47 2021 MI FT  
## 48 2021 MI FT  
## 49 2021 MI FT  
## 50 2021 MI FT  
## 51 2021 EN FT  
## 52 2021 MI FT  
## 53 2021 EN PT  
## 54 2021 EN FT  
## 55 2021 EN FT  
## 56 2022 MI FT  
## 57 2022 EN CT  
## 58 2022 MI FT  
## 59 2022 MI FT  
## 60 2022 MI FT  
## 61 2020 SE FT  
## 62 2021 MI FT  
## 63 2022 MI FT  
## 64 2020 MI FT  
## 65 2021 MI FT  
## 66 2021 EN FT  
## 67 2022 MI FT  
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## 72 2022 MI FT  
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## 74 2020 EN FT  
## 75 2022 EN FT  
## 76 2021 MI FT  
## 77 2021 MI FT  
## 78 2020 MI FT  
## 79 2021 SE FT  
## 80 2020 EN FT  
## 81 2020 EN FT  
## 82 2020 MI FT  
## 83 2020 MI FT  
## 84 2022 MI FT  
## 85 2022 MI FT  
## 86 2021 MI FT  
## 87 2020 SE FT  
## 88 2020 MI FT  
## 89 2022 EN FT  
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## 96 2021 MI FT  
## 97 2020 SE FT  
## 98 2022 MI FT  
## 99 2020 EN FT  
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## 104 2021 EN FT  
## 105 2021 SE FT  
## 106 2021 SE FT  
## 107 2022 MI FT  
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## 112 2022 EN FT  
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## 116 2022 EN FT  
## 117 2021 SE FT  
## 118 2022 SE FT  
## 119 2021 SE FT  
## 120 2021 MI FT  
## 121 2020 EN FT  
## 122 2022 MI FT  
## 123 2022 MI PT  
## 124 2021 EN FT  
## 125 2021 SE FT  
## 126 2020 MI FT  
## 127 2021 MI FT  
## 128 2021 MI FT  
## 129 2021 EN FT  
## 130 2022 MI FT  
## 131 2022 EN FT  
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## 133 2022 MI FT  
## 134 2021 EN FT  
## 135 2021 EN FT  
## 136 2020 MI FT  
## 137 2020 SE FL  
## 138 2021 MI FT  
## 139 2021 EN FT  
## 140 2022 SE FT  
## 141 2022 SE FT  
## 142 2021 SE FT  
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## 144 2021 MI FT  
## 145 2021 SE FT  
## 146 2021 MI FT  
## 147 2021 MI FT  
## 148 2022 SE FT  
## 149 2020 EN FT  
## 150 2020 MI FT  
## 151 2021 MI FT  
## 152 2021 MI FT  
## 153 2021 EN FT  
## 154 2021 SE FT  
## 155 2022 MI FT  
## 156 2022 MI FT  
## 157 2022 SE FT  
## 158 2022 EN FT  
## 159 2021 EN FT  
## 160 2022 MI FT  
## 161 2022 SE FT  
## 162 2022 MI FT  
## 163 2022 MI FT  
## 164 2022 MI FT  
## 165 2021 MI FT  
## 166 2021 SE FT  
## 167 2022 EN FT  
## 168 2022 MI FT  
## 169 2020 SE FT  
## 170 2022 SE FT  
## 171 2022 MI FT  
## 172 2021 EX FT  
## 173 2021 MI PT  
## 174 2021 MI FT  
## 175 2020 EN FT  
## 176 2021 EN FT  
## 177 2020 MI FT  
## 178 2022 SE FT  
## 179 2022 MI FT  
## 180 2022 SE FT  
## 181 2021 SE FT  
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## 195 2021 SE FT  
## 196 2021 EN FT  
## 197 2022 MI FT  
## 198 2022 MI FT  
## 199 2020 MI FT  
## 200 2021 MI FT  
## 201 2021 SE FT  
## 202 2022 MI FT  
## 203 2022 MI FT  
## 204 2022 SE FT  
## 205 2022 MI FT  
## 206 2022 MI FT  
## 207 2022 SE FT  
## 208 2022 EX FT  
## 209 2021 SE FT  
## 210 2020 MI FT  
## 211 2020 EX FT  
## 212 2021 EN FT  
## 213 2021 SE FT  
## 214 2021 EN FT  
## 215 2021 EN FT  
## 216 2021 MI FT  
## 217 2022 SE FT  
## 218 2022 SE FT  
## 219 2022 SE FT  
## 220 2021 EN FT  
## 221 2022 SE FT  
## 222 2022 SE FT  
## 223 2021 MI FT  
## 224 2021 EN FT  
## 225 2021 MI FT  
## 226 2021 SE FT  
## 227 2022 MI FT  
## 228 2022 SE FT  
## 229 2020 MI FT  
## 230 2021 EX FT  
## 231 2021 EN FT  
## 232 2022 MI FT  
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## 234 2020 MI FT  
## 235 2022 MI FT  
## 236 2021 SE FT  
## 237 2022 MI FT  
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## 239 2022 MI FT  
## 240 2022 SE FT  
## 241 2021 SE FT  
## 242 2021 MI FT  
## 243 2021 MI FT  
## 244 2021 MI FT  
## 245 2021 EN FT  
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## 247 2021 MI FT  
## 248 2021 EN FT  
## 249 2021 EN FT  
## 250 2022 MI FT  
## 251 2022 SE FT  
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## 253 2021 MI FT  
## 254 2020 EN FT  
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## 260 2022 SE FT  
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## 273 2022 SE FT  
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## 275 2022 MI FT  
## 276 2022 SE FT  
## 277 2021 SE FT  
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## 279 2021 MI FT  
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## 282 2021 MI FT  
## 283 2021 EN FT  
## 284 2021 EN FT  
## 285 2022 EN FT  
## 286 2022 SE FT  
## 287 2022 EN PT  
## 288 2022 MI FL  
## 289 2022 SE FT  
## 290 2022 SE FT  
## 291 2022 SE FT  
## 292 2022 SE FT  
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## 296 2020 MI FT  
## 297 2021 SE FT  
## 298 2021 SE FT  
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## 300 2022 MI FT  
## 301 2022 SE FT  
## 302 2020 MI FT  
## 303 2020 EN FT  
## 304 2021 SE CT  
## 305 2022 SE FT  
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## 308 2020 MI FT  
## 309 2022 MI FT  
## 310 2022 SE FT  
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## 312 2021 MI FT  
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## 314 2022 SE FT  
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## 316 2020 MI FT  
## 317 2021 MI FT  
## 318 2021 MI FT  
## 319 2021 MI FT  
## 320 2022 EX FT  
## 321 2021 EN FT  
## 322 2022 SE FT  
## 323 2022 SE FT  
## 324 2021 MI FT  
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## 330 2021 SE FT  
## 331 2020 SE FT  
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## 339 2022 SE FT  
## 340 2022 SE FT  
## 341 2021 MI FT  
## 342 2020 SE FT  
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## 347 2021 MI FT  
## 348 2020 SE FT  
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## 361 2022 SE FT  
## 362 2022 MI FT  
## 363 2022 SE FT  
## 364 2022 SE FT  
## 365 2022 MI FT  
## 366 2020 SE FT  
## 367 2021 EN FT  
## 368 2022 EN FT  
## 369 2022 SE FT  
## 370 2022 MI FT  
## 371 2022 SE FT  
## 372 2021 SE FT  
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## 375 2022 SE FT  
## 376 2021 MI FT  
## 377 2022 MI FT  
## 378 2022 EX FT  
## 379 2022 SE FT  
## 380 2022 SE FT  
## 381 2022 MI FT  
## 382 2021 EX FT  
## 383 2020 MI FT  
## 384 2022 SE FT  
## 385 2022 SE FT  
## 386 2022 SE FT  
## 387 2020 MI FT  
## 388 2021 MI FT  
## 389 2021 SE FT  
## 390 2022 SE FT  
## 391 2022 SE FT  
## 392 2022 EX FT  
## 393 2022 MI FT  
## 394 2022 MI FT  
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## 400 2020 EN FT  
## 401 2020 MI FT  
## 402 2022 SE FT  
## 403 2021 MI FT  
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## 408 2022 SE FT  
## 409 2022 MI FT  
## 410 2021 EX FT  
## 411 2021 SE FT  
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## 418 2021 MI FT  
## 419 2022 SE FT  
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## 421 2020 SE FT  
## 422 2021 EX FT  
## 423 2021 SE FT  
## 424 2021 SE FT  
## 425 2021 SE FT  
## 426 2021 MI FT  
## 427 2021 MI FT  
## 428 2022 MI FT  
## 429 2022 SE FT  
## 430 2022 EN FT  
## 431 2022 SE FT  
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## 433 2022 SE FT  
## 434 2022 SE FT  
## 435 2021 MI FT  
## 436 2021 SE FT  
## 437 2022 SE FT  
## 438 2021 SE FT  
## 439 2022 MI FT  
## 440 2021 EX FT  
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## 462 2021 SE FT  
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## 465 2022 SE FT  
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## 467 2022 SE FT  
## 468 2022 MI FT  
## 469 2022 SE FT  
## 470 2022 EX FT  
## 471 2021 SE FT  
## 472 2021 SE FT  
## 473 2021 MI FT  
## 474 2021 SE FT  
## 475 2022 MI FT  
## 476 2022 SE FT  
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## 480 2021 SE FT  
## 481 2022 EX FT  
## 482 2022 SE FT  
## 483 2022 SE FT  
## 484 2022 SE FT  
## 485 2022 SE FT  
## 486 2021 MI FT  
## 487 2022 SE FT  
## 488 2022 SE FT  
## 489 2022 SE FT  
## 490 2022 SE FT  
## 491 2022 SE FT  
## 492 2022 MI FT  
## 493 2022 SE FT  
## 494 2022 SE FT  
## 495 2021 SE FT  
## 496 2021 SE FT  
## 497 2022 SE FT  
## 498 2021 MI FT  
## 499 2020 SE FT  
## 500 2022 SE FT  
## 501 2020 SE FT  
## 502 2020 SE FT  
## 503 2022 SE FT  
## 504 2022 SE FT  
## 505 2022 SE FT  
## 506 2021 SE FT  
## 507 2022 EX FT  
## 508 2021 MI FT  
## 509 2021 SE FT  
## 510 2021 SE FT  
## 511 2021 SE FT  
## 512 2021 SE FT  
## 513 2022 EX FT  
## 514 2022 MI FT  
## 515 2022 SE FT  
## 516 2022 MI FT  
## 517 2022 SE FT  
## 518 2022 SE FT  
## 519 2022 SE FT  
## 520 2022 SE FT  
## 521 2022 MI FT  
## 522 2022 SE FT  
## 523 2022 SE FT  
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## 529 2022 SE FT  
## 530 2022 SE FT  
## 531 2022 EX FT  
## 532 2021 SE FT  
## 533 2022 SE FT  
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## 537 2022 EX FT  
## 538 2021 EN FT  
## 539 2021 SE FT  
## 540 2021 EX FT  
## 541 2022 SE FT  
## 542 2021 EX FT  
## 543 2021 SE FT  
## 544 2021 SE FT  
## 545 2022 MI FT  
## 546 2022 EX FT  
## 547 2022 SE FT  
## 548 2020 EN FT  
## 549 2021 EX FT  
## 550 2021 SE FT  
## 551 2020 SE FT  
## 552 2022 SE FT  
## 553 2022 SE FT  
## 554 2021 MI CT  
## 555 2021 SE FT  
## 556 2022 EX FT  
## 557 2020 EX FT  
## 558 2022 SE FT  
## 559 2022 SE FT  
## 560 2020 SE FT  
## 561 2021 EX CT  
## 562 2021 MI FT  
## 563 2020 MI FT  
## 564 2021 MI FT  
## 565 2021 EX FT  
## job\_title salary salary\_currency  
## 1 Data Scientist 58000 MXN  
## 2 Data Engineer 4000 USD  
## 3 Data Scientist 4000 USD  
## 4 3D Computer Vision Researcher 400000 INR  
## 5 Data Scientist 420000 INR  
## 6 Data Science Consultant 423000 INR  
## 7 Big Data Engineer 435000 INR  
## 8 Product Data Analyst 450000 INR  
## 9 Data Analyst 450000 INR  
## 10 Data Analyst 8000 USD  
## 11 BI Data Analyst 9272 USD  
## 12 Data Scientist 700000 INR  
## 13 Data Analyst 10000 USD  
## 14 Computer Vision Engineer 10000 USD  
## 15 Data Analyst 8760 EUR  
## 16 AI Scientist 12000 USD  
## 17 AI Scientist 12000 USD  
## 18 Machine Learning Scientist 12000 USD  
## 19 Data Engineer 108000 TRY  
## 20 Data Scientist 69600 BRL  
## 21 Data Scientist 13400 USD  
## 22 ML Engineer 14000 EUR  
## 23 Big Data Engineer 1200000 INR  
## 24 Data Scientist 1250000 INR  
## 25 Big Data Engineer 18000 USD  
## 26 AI Scientist 1335000 INR  
## 27 Business Data Analyst 1400000 INR  
## 28 Data Scientist 1400000 INR  
## 29 Computer Vision Engineer 102000 BRL  
## 30 Lead Data Analyst 1450000 INR  
## 31 Product Data Analyst 20000 USD  
## 32 Machine Learning Engineer 20000 USD  
## 33 Data Engineer 20000 USD  
## 34 Data Analytics Engineer 20000 USD  
## 35 Data Analyst 20000 USD  
## 36 Data Scientist 180000 TRY  
## 37 Data Engineer 1600000 INR  
## 38 Data Scientist 19000 EUR  
## 39 Machine Learning Engineer 21844 USD  
## 40 ML Engineer 20000 EUR  
## 41 Big Data Engineer 1672000 INR  
## 42 Computer Vision Engineer 24000 USD  
## 43 Machine Learning Engineer 1799997 INR  
## 44 Machine Learning Engineer 21000 EUR  
## 45 Machine Learning Engineer 21000 EUR  
## 46 Data Engineer 25000 USD  
## 47 Data Scientist 21600 EUR  
## 48 Data Engineer 22000 EUR  
## 49 Data Engineer 250000 TRY  
## 50 Data Engineer 24000 EUR  
## 51 Data Scientist 2100000 INR  
## 52 Data Engineer 110000 PLN  
## 53 Computer Vision Engineer 180000 DKK  
## 54 Data Scientist 2200000 INR  
## 55 Data Engineer 2250000 INR  
## 56 Data Scientist 2400000 INR  
## 57 Applied Machine Learning Scientist 29000 EUR  
## 58 Data Analyst 30000 EUR  
## 59 Data Analyst 30000 EUR  
## 60 Head of Data 30000 EUR  
## 61 Data Engineer 720000 MXN  
## 62 Data Scientist 2500000 INR  
## 63 Data Scientist 150000 PLN  
## 64 Data Scientist 11000000 HUF  
## 65 BI Data Analyst 11000000 HUF  
## 66 Data Scientist 31000 EUR  
## 67 NLP Engineer 240000 CNY  
## 68 Machine Learning Engineer 28500 GBP  
## 69 Data Scientist 32000 EUR  
## 70 Applied Machine Learning Scientist 38400 USD  
## 71 Data Scientist 34000 EUR  
## 72 Data Scientist 30000 GBP  
## 73 Data Analyst 30000 GBP  
## 74 Data Scientist 35000 EUR  
## 75 Data Scientist 40000 USD  
## 76 Data Scientist 30400000 CLP  
## 77 Data Science Engineer 34000 EUR  
## 78 Data Scientist 3000000 INR  
## 79 Lead Data Scientist 3000000 INR  
## 80 Data Engineer 4450000 JPY  
## 81 Research Scientist 42000 USD  
## 82 Data Scientist 37000 EUR  
## 83 Machine Learning Engineer 299000 CNY  
## 84 Data Analyst 40000 EUR  
## 85 Data Analyst 40000 EUR  
## 86 Data Engineer 38400 EUR  
## 87 Machine Learning Engineer 40000 EUR  
## 88 Data Scientist 45760 USD  
## 89 Data Engineer 35000 GBP  
## 90 Data Scientist 35000 GBP  
## 91 Data Analyst 35000 GBP  
## 92 AI Scientist 300000 DKK  
## 93 Machine Learning Engineer 180000 PLN  
## 94 Data Analyst 41000 EUR  
## 95 Data Scientist 39600 EUR  
## 96 Machine Learning Engineer 40000 EUR  
## 97 Data Engineer 42000 EUR  
## 98 Data Scientist 48000 USD  
## 99 Data Scientist 43200 EUR  
## 100 Data Engineer 45000 EUR  
## 101 Data Engineer 45000 EUR  
## 102 Data Scientist 42000 EUR  
## 103 Data Scientist 50000 USD  
## 104 Data Analyst 50000 USD  
## 105 Data Analytics Engineer 50000 USD  
## 106 Research Scientist 50000 USD  
## 107 Data Analyst 50000 USD  
## 108 Machine Learning Infrastructure Engineer 44000 EUR  
## 109 Machine Learning Engineer 43200 EUR  
## 110 Data Scientist 45000 EUR  
## 111 Data Analyst 37456 GBP  
## 112 Data Analyst 52000 USD  
## 113 Data Engineer 40000 GBP  
## 114 Data Engineer 40000 GBP  
## 115 Data Analyst 40000 GBP  
## 116 Data Scientist 66500 CAD  
## 117 Data Scientist 45000 EUR  
## 118 Data Engineer 54000 USD  
## 119 Data Science Manager 4000000 INR  
## 120 Applied Data Scientist 68000 CAD  
## 121 Data Engineer 48000 EUR  
## 122 ETL Developer 50000 EUR  
## 123 Data Engineer 50000 EUR  
## 124 BI Data Analyst 55000 USD  
## 125 AI Scientist 55000 USD  
## 126 Lead Data Engineer 56000 USD  
## 127 Data Scientist 40900 GBP  
## 128 Research Scientist 48000 EUR  
## 129 Data Scientist 58000 USD  
## 130 Data Analyst 58000 USD  
## 131 Data Engineer 52800 EUR  
## 132 Machine Learning Infrastructure Engineer 53000 EUR  
## 133 Data Engineer 45000 GBP  
## 134 Data Analyst 50000 EUR  
## 135 Business Data Analyst 50000 EUR  
## 136 Data Engineering Manager 51999 EUR  
## 137 Computer Vision Engineer 60000 USD  
## 138 Big Data Engineer 60000 USD  
## 139 Data Analyst 60000 USD  
## 140 Data Science Engineer 60000 USD  
## 141 Data Analyst 60000 USD  
## 142 Research Scientist 51400 EUR  
## 143 Data Analyst 61300 USD  
## 144 Data Scientist 52000 EUR  
## 145 Finance Data Analyst 45000 GBP  
## 146 Data Analyst 62000 USD  
## 147 Research Scientist 53000 EUR  
## 148 Machine Learning Engineer 57000 EUR  
## 149 Data Scientist 55000 EUR  
## 150 Data Scientist 55000 EUR  
## 151 ML Engineer 7000000 JPY  
## 152 Research Scientist 80000 CAD  
## 153 Data Science Consultant 54000 EUR  
## 154 Data Analyst 54000 EUR  
## 155 Data Engineer 63900 USD  
## 156 Research Scientist 59000 EUR  
## 157 Machine Learning Engineer 65000 USD  
## 158 Data Engineer 65000 USD  
## 159 Data Engineer 55000 EUR  
## 160 Data Scientist 50000 GBP  
## 161 Data Engineer 50000 GBP  
## 162 Data Analyst 50000 GBP  
## 163 Data Engineer 60000 EUR  
## 164 Data Engineer 60000 EUR  
## 165 Data Engineer 48000 GBP  
## 166 Machine Learning Engineer 4900000 INR  
## 167 Data Analyst 67000 USD  
## 168 Data Engineer 62000 EUR  
## 169 Data Scientist 60000 EUR  
## 170 Data Analyst 69000 USD  
## 171 Data Scientist 88000 CAD  
## 172 Data Science Consultant 59000 EUR  
## 173 Data Engineer 59000 EUR  
## 174 Research Scientist 69999 USD  
## 175 Big Data Engineer 70000 USD  
## 176 Computer Vision Software Engineer 70000 USD  
## 177 Data Engineer 61500 EUR  
## 178 Data Engineer 70500 USD  
## 179 Business Data Analyst 90000 CAD  
## 180 Machine Learning Engineer 65000 EUR  
## 181 Data Analyst 90000 CAD  
## 182 Data Scientist 55000 GBP  
## 183 Data Analyst 72000 USD  
## 184 Data Engineer 52500 GBP  
## 185 Data Engineer 72500 USD  
## 186 Data Scientist 73000 USD  
## 187 Machine Learning Engineer 74000 USD  
## 188 Data Engineer 65000 EUR  
## 189 Data Analyst 75000 USD  
## 190 Principal Data Analyst 75000 USD  
## 191 Applied Machine Learning Scientist 75000 USD  
## 192 Data Analyst 75000 USD  
## 193 Data Scientist 95000 CAD  
## 194 Data Science Consultant 65000 EUR  
## 195 Data Engineer 65000 EUR  
## 196 Data Science Consultant 65000 EUR  
## 197 Data Engineer 70000 EUR  
## 198 Data Engineer 70000 EUR  
## 199 Data Scientist 60000 GBP  
## 200 ML Engineer 8500000 JPY  
## 201 Data Scientist 65720 EUR  
## 202 Data Scientist 78000 USD  
## 203 Data Engineer 60000 GBP  
## 204 Data Engineer 60000 GBP  
## 205 Data Engineer 60000 GBP  
## 206 Machine Learning Developer 100000 CAD  
## 207 Machine Learning Developer 100000 CAD  
## 208 Head of Machine Learning 6000000 INR  
## 209 Data Analytics Engineer 67000 EUR  
## 210 Data Scientist 70000 EUR  
## 211 Data Engineering Manager 70000 EUR  
## 212 Data Analyst 80000 USD  
## 213 Data Analyst 80000 USD  
## 214 Data Scientist 80000 USD  
## 215 Data Engineer 80000 USD  
## 216 Data Analyst 80000 USD  
## 217 Data Scientist 80000 USD  
## 218 Data Engineer 80000 USD  
## 219 Data Analyst 80000 USD  
## 220 Machine Learning Engineer 81000 USD  
## 221 Data Analyst 81666 USD  
## 222 Data Analyst 81666 USD  
## 223 Data Scientist 82500 USD  
## 224 Research Scientist 60000 GBP  
## 225 Data Engineer 60000 GBP  
## 226 Machine Learning Engineer 70000 EUR  
## 227 Data Engineer 82900 USD  
## 228 Data Analyst 84900 USD  
## 229 Data Analyst 85000 USD  
## 230 Head of Data Science 85000 USD  
## 231 Machine Learning Engineer 85000 USD  
## 232 Data Analyst 85000 USD  
## 233 Data Scientist 120000 AUD  
## 234 Lead Data Analyst 87000 USD  
## 235 Machine Learning Engineer 121000 AUD  
## 236 Data Scientist 110000 CAD  
## 237 Machine Learning Engineer 80000 EUR  
## 238 Data Engineer 80000 EUR  
## 239 Data Engineer 80000 EUR  
## 240 Lead Machine Learning Engineer 80000 EUR  
## 241 Marketing Data Analyst 75000 EUR  
## 242 Machine Learning Engineer 75000 EUR  
## 243 Data Scientist 75000 EUR  
## 244 Cloud Data Engineer 120000 SGD  
## 245 Data Analyst 90000 USD  
## 246 Data Analyst 90000 USD  
## 247 Data Engineer 90000 USD  
## 248 Data Science Consultant 90000 USD  
## 249 Data Scientist 90000 USD  
## 250 Data Scientist 90000 USD  
## 251 Data Analyst 90320 USD  
## 252 Data Architect 90700 USD  
## 253 Data Scientist 76760 EUR  
## 254 Data Analyst 91000 USD  
## 255 Data Scientist 80000 EUR  
## 256 Data Engineer 70000 GBP  
## 257 Data Scientist 70000 GBP  
## 258 Data Analyst 93000 USD  
## 259 Data Engineer 93150 USD  
## 260 Research Scientist 85000 EUR  
## 261 Data Engineer 93700 USD  
## 262 Data Analyst 93700 USD  
## 263 Machine Learning Engineer 80000 EUR  
## 264 Data Science Manager 7000000 INR  
## 265 Data Scientist 95550 USD  
## 266 Computer Vision Software Engineer 81000 EUR  
## 267 Research Scientist 120500 CAD  
## 268 Data Engineer 70000 GBP  
## 269 BI Data Analyst 98000 USD  
## 270 Machine Learning Engineer 75000 GBP  
## 271 Data Engineer 75000 GBP  
## 272 Data Engineer 75000 GBP  
## 273 Data Analyst 99000 USD  
## 274 Data Analyst 99050 USD  
## 275 Data Engineer 99100 USD  
## 276 Data Scientist 99360 USD  
## 277 Big Data Architect 125000 CAD  
## 278 Business Data Analyst 100000 USD  
## 279 BI Data Analyst 100000 USD  
## 280 Machine Learning Developer 100000 USD  
## 281 Data Scientist 100000 USD  
## 282 Data Engineer 100000 USD  
## 283 Data Scientist 100000 USD  
## 284 Research Scientist 100000 USD  
## 285 Financial Data Analyst 100000 USD  
## 286 Data Engineer 100000 USD  
## 287 Data Scientist 100000 USD  
## 288 Data Scientist 100000 USD  
## 289 Data Scientist 100000 USD  
## 290 Data Analyst 100000 USD  
## 291 Data Engineer 100800 USD  
## 292 Data Engineer 101570 USD  
## 293 Data Analyst 102100 USD  
## 294 Data Scientist 102100 USD  
## 295 Head of Data 87000 EUR  
## 296 Data Science Consultant 103000 USD  
## 297 Lead Data Engineer 75000 GBP  
## 298 Data Scientist 130000 CAD  
## 299 Data Scientist 80000 GBP  
## 300 Data Engineer 80000 GBP  
## 301 Data Scientist 104890 USD  
## 302 Data Scientist 105000 USD  
## 303 Data Scientist 105000 USD  
## 304 Staff Data Scientist 105000 USD  
## 305 Data Engineer 105000 USD  
## 306 Data Analyst 105000 USD  
## 307 Data Analytics Manager 105400 USD  
## 308 Data Engineer 106000 USD  
## 309 Data Analyst 106260 USD  
## 310 Data Analyst 106260 USD  
## 311 Data Engineer 108800 USD  
## 312 Data Scientist 109000 USD  
## 313 Big Data Engineer 85000 GBP  
## 314 Data Analyst 109280 USD  
## 315 Data Analytics Manager 109280 USD  
## 316 Data Engineer 110000 USD  
## 317 Data Analytics Engineer 110000 USD  
## 318 Head of Data Science 110000 USD  
## 319 Data Engineer 110000 USD  
## 320 Data Analyst 110000 USD  
## 321 Applied Data Scientist 80000 GBP  
## 322 Data Engineer 110500 USD  
## 323 Data Analyst 110925 USD  
## 324 Data Engineer 111775 USD  
## 325 Data Engineer 112000 USD  
## 326 Machine Learning Scientist 112300 USD  
## 327 Data Engineer 88000 GBP  
## 328 Data Analyst 112900 USD  
## 329 Data Engineer 113000 USD  
## 330 Director of Data Engineering 82500 GBP  
## 331 Big Data Engineer 100000 EUR  
## 332 Lead Data Scientist 115000 USD  
## 333 Data Engineer 115000 USD  
## 334 Data Scientist 115000 USD  
## 335 Data Engineer 115000 USD  
## 336 Data Analyst 115500 USD  
## 337 Data Analyst 115934 USD  
## 338 Data Analyst 115934 USD  
## 339 Data Analyst 116000 USD  
## 340 Data Analyst 116150 USD  
## 341 Data Scientist 85000 GBP  
## 342 Machine Learning Manager 157000 CAD  
## 343 Data Scientist 90000 GBP  
## 344 Data Engineer 90000 GBP  
## 345 Data Scientist 118000 USD  
## 346 Lead Data Engineer 150000 CAD  
## 347 Data Scientist 160000 SGD  
## 348 Data Scientist 120000 USD  
## 349 Machine Learning Scientist 120000 USD  
## 350 Data Analytics Manager 120000 USD  
## 351 Data Analytics Manager 120000 USD  
## 352 Data Scientist 120000 USD  
## 353 AI Scientist 120000 USD  
## 354 Machine Learning Engineer 120000 USD  
## 355 Data Engineer 120000 USD  
## 356 Data Scientist 120000 USD  
## 357 Machine Learning Engineer 120000 USD  
## 358 Machine Learning Engineer 120000 USD  
## 359 Research Scientist 120000 USD  
## 360 Data Scientist 120160 USD  
## 361 Data Analyst 120600 USD  
## 362 Data Scientist 115000 CHF  
## 363 Data Scientist 123000 USD  
## 364 Data Analyst 124190 USD  
## 365 Machine Learning Engineer 95000 GBP  
## 366 Lead Data Engineer 125000 USD  
## 367 Machine Learning Engineer 125000 USD  
## 368 Computer Vision Engineer 125000 USD  
## 369 Data Engineer 126000 USD  
## 370 Data Analyst 126500 USD  
## 371 Data Analyst 126500 USD  
## 372 Data Science Engineer 159500 CAD  
## 373 Data Engineer 128875 USD  
## 374 Data Analyst 128875 USD  
## 375 Data Analyst 129000 USD  
## 376 Data Scientist 130000 USD  
## 377 Data Scientist 130000 USD  
## 378 Data Analyst 130000 USD  
## 379 Data Analyst 130000 USD  
## 380 Data Engineer 130000 USD  
## 381 Data Scientist 130000 USD  
## 382 Director of Data Science 110000 EUR  
## 383 Data Engineer 130800 USD  
## 384 Data Analyst 132000 USD  
## 385 Data Engineer 132320 USD  
## 386 Data Engineer 132320 USD  
## 387 Business Data Analyst 135000 USD  
## 388 Data Analyst 135000 USD  
## 389 Data Scientist 135000 USD  
## 390 Data Engineer 135000 USD  
## 391 Data Analyst 135000 USD  
## 392 Analytics Engineer 135000 USD  
## 393 Data Analyst 135000 USD  
## 394 Data Scientist 135000 USD  
## 395 Data Engineer 136000 USD  
## 396 Data Analyst 136600 USD  
## 397 Data Scientist 136620 USD  
## 398 Data Engineer 136994 USD  
## 399 Data Science Manager 137141 USD  
## 400 Machine Learning Engineer 138000 USD  
## 401 Data Scientist 138350 USD  
## 402 Data Scientist 138600 USD  
## 403 Data Engineer 140000 USD  
## 404 Data Analytics Manager 140000 USD  
## 405 Data Scientist 140000 USD  
## 406 Data Engineer 140250 USD  
## 407 Data Scientist 140400 USD  
## 408 Data Scientist 140400 USD  
## 409 Data Scientist 141300 USD  
## 410 Director of Data Science 120000 EUR  
## 411 Data Science Manager 144000 USD  
## 412 Research Scientist 144000 USD  
## 413 Data Scientist 144000 USD  
## 414 Data Architect 144854 USD  
## 415 Data Analytics Manager 145000 USD  
## 416 Data Engineer 145000 USD  
## 417 Data Scientist 146000 USD  
## 418 Data Scientist 147000 USD  
## 419 Data Architect 147800 USD  
## 420 Principal Data Scientist 130000 EUR  
## 421 Machine Learning Engineer 150000 USD  
## 422 BI Data Analyst 150000 USD  
## 423 Data Engineer 150000 USD  
## 424 Data Engineer 150000 USD  
## 425 Data Engineering Manager 150000 USD  
## 426 Data Scientist 150000 USD  
## 427 Data Architect 150000 USD  
## 428 Data Engineer 150000 USD  
## 429 Data Scientist 150000 USD  
## 430 Computer Vision Software Engineer 150000 USD  
## 431 Data Scientist 150000 USD  
## 432 Data Analyst 150000 USD  
## 433 Data Analyst 150075 USD  
## 434 Data Analytics Manager 150260 USD  
## 435 Principal Data Scientist 151000 USD  
## 436 Data Science Manager 152000 USD  
## 437 Data Science Manager 152500 USD  
## 438 Data Engineering Manager 153000 USD  
## 439 Machine Learning Scientist 153000 USD  
## 440 Director of Data Science 130000 EUR  
## 441 Data Engineer 154000 USD  
## 442 Data Engineer 154600 USD  
## 443 Data Analyst 155000 USD  
## 444 Data Engineer 155000 USD  
## 445 Data Engineer 156600 USD  
## 446 Applied Data Scientist 157000 USD  
## 447 Data Scientist 158200 USD  
## 448 Data Science Manager 159000 USD  
## 449 Cloud Data Engineer 160000 USD  
## 450 Data Scientist 160000 USD  
## 451 Lead Data Engineer 160000 USD  
## 452 Data Engineer 160000 USD  
## 453 Machine Learning Scientist 160000 USD  
## 454 Data Engineer 160000 USD  
## 455 Data Scientist 160000 USD  
## 456 Data Engineer 160080 USD  
## 457 Data Engineer 160080 USD  
## 458 Data Science Manager 161342 USD  
## 459 Principal Data Scientist 148000 EUR  
## 460 Data Analyst 164000 USD  
## 461 Machine Learning Engineer 164996 USD  
## 462 Data Specialist 165000 USD  
## 463 Data Engineer 165000 USD  
## 464 Data Scientist 165000 USD  
## 465 Data Scientist 165000 USD  
## 466 Data Scientist 165220 USD  
## 467 Data Engineer 165400 USD  
## 468 Data Analyst 167000 USD  
## 469 Data Scientist 167000 USD  
## 470 Head of Data Science 167875 USD  
## 471 Director of Data Science 168000 USD  
## 472 Lead Data Analyst 170000 USD  
## 473 Data Architect 170000 USD  
## 474 Principal Data Analyst 170000 USD  
## 475 Data Engineer 170000 USD  
## 476 Data Analyst 170000 USD  
## 477 Data Scientist 170000 USD  
## 478 Principal Data Scientist 147000 EUR  
## 479 Data Engineering Manager 174000 USD  
## 480 Data Science Manager 174000 USD  
## 481 Analytics Engineer 175000 USD  
## 482 Data Engineer 175000 USD  
## 483 Data Engineer 175100 USD  
## 484 Data Scientist 176000 USD  
## 485 Applied Data Scientist 177000 USD  
## 486 Data Architect 180000 USD  
## 487 Data Scientist 180000 USD  
## 488 Data Scientist 180000 USD  
## 489 Data Scientist 180000 USD  
## 490 Data Engineer 180000 USD  
## 491 Data Engineer 181940 USD  
## 492 Data Scientist 140000 GBP  
## 493 Data Engineer 183600 USD  
## 494 Analytics Engineer 184700 USD  
## 495 Principal Data Engineer 185000 USD  
## 496 Machine Learning Engineer 185000 USD  
## 497 Data Scientist 185100 USD  
## 498 Research Scientist 235000 CAD  
## 499 Data Engineer 188000 USD  
## 500 Machine Learning Engineer 189650 USD  
## 501 Lead Data Scientist 190000 USD  
## 502 Data Science Manager 190200 USD  
## 503 Data Architect 192400 USD  
## 504 Data Architect 192564 USD  
## 505 Machine Learning Engineer 192600 USD  
## 506 Machine Learning Infrastructure Engineer 195000 USD  
## 507 Director of Data Science 250000 CAD  
## 508 Data Engineer 200000 USD  
## 509 Principal Data Engineer 200000 USD  
## 510 Machine Learning Engineer 200000 USD  
## 511 Director of Data Engineering 200000 USD  
## 512 Data Analyst 200000 USD  
## 513 Data Engineer 200000 USD  
## 514 Data Scientist 200000 USD  
## 515 Head of Data 200000 USD  
## 516 AI Scientist 200000 USD  
## 517 Data Engineer 200100 USD  
## 518 Data Scientist 205300 USD  
## 519 Data Scientist 205300 USD  
## 520 Analytics Engineer 205300 USD  
## 521 Data Engineer 206699 USD  
## 522 Data Architect 208775 USD  
## 523 Data Engineer 209100 USD  
## 524 Data Engineer 210000 USD  
## 525 Data Scientist 210000 USD  
## 526 Data Scientist 211500 USD  
## 527 Data Architect 213120 USD  
## 528 Machine Learning Engineer 214000 USD  
## 529 Data Scientist 215300 USD  
## 530 Data Scientist 215300 USD  
## 531 Data Engineer 216000 USD  
## 532 Principal Data Scientist 220000 USD  
## 533 Data Scientist 220000 USD  
## 534 Machine Learning Engineer 220000 USD  
## 535 Data Engineer 220110 USD  
## 536 Data Engineer 220110 USD  
## 537 Head of Data Science 224000 USD  
## 538 Machine Learning Scientist 225000 USD  
## 539 Machine Learning Scientist 225000 USD  
## 540 Head of Data 230000 USD  
## 541 Data Scientist 230000 USD  
## 542 Head of Data 235000 USD  
## 543 Principal Data Scientist 235000 USD  
## 544 Data Science Manager 240000 USD  
## 545 Data Science Manager 241000 USD  
## 546 Data Engineer 242000 USD  
## 547 Data Engineer 243900 USD  
## 548 Machine Learning Engineer 250000 USD  
## 549 Director of Data Science 250000 USD  
## 550 ML Engineer 256000 USD  
## 551 Machine Learning Scientist 260000 USD  
## 552 Data Scientist 260000 USD  
## 553 Data Architect 266400 USD  
## 554 ML Engineer 270000 USD  
## 555 Lead Data Engineer 276000 USD  
## 556 Data Engineer 324000 USD  
## 557 Director of Data Science 325000 USD  
## 558 Applied Data Scientist 380000 USD  
## 559 Data Analytics Lead 405000 USD  
## 560 Data Scientist 412000 USD  
## 561 Principal Data Scientist 416000 USD  
## 562 Applied Machine Learning Scientist 423000 USD  
## 563 Research Scientist 450000 USD  
## 564 Financial Data Analyst 450000 USD  
## 565 Principal Data Engineer 600000 USD  
## salary\_in\_usd employee\_residence remote\_ratio company\_location company\_size  
## 1 2859 MX 0 MX S  
## 2 4000 IR 100 IR M  
## 3 4000 VN 0 VN M  
## 4 5409 IN 50 IN M  
## 5 5679 IN 100 US S  
## 6 5707 IN 50 IN M  
## 7 5882 IN 0 CH L  
## 8 6072 IN 100 IN L  
## 9 6072 IN 0 IN S  
## 10 8000 PK 50 PK L  
## 11 9272 KE 100 KE S  
## 12 9466 IN 0 IN S  
## 13 10000 NG 100 NG S  
## 14 10000 PT 100 LU M  
## 15 10354 ES 50 ES M  
## 16 12000 BR 100 US S  
## 17 12000 PK 100 US M  
## 18 12000 PK 50 PK M  
## 19 12103 TR 0 TR M  
## 20 12901 BR 0 BR S  
## 21 13400 UA 100 UA L  
## 22 15966 DE 100 DE S  
## 23 16228 IN 100 IN L  
## 24 16904 IN 100 IN S  
## 25 18000 MD 0 MD S  
## 26 18053 IN 100 AS S  
## 27 18442 IN 100 IN M  
## 28 18442 IN 100 IN M  
## 29 18907 BR 0 BR M  
## 30 19609 IN 100 IN L  
## 31 20000 HN 0 HN S  
## 32 20000 IN 100 IN S  
## 33 20000 IT 0 US L  
## 34 20000 PK 0 PK M  
## 35 20000 GR 100 GR S  
## 36 20171 TR 50 TR L  
## 37 21637 IN 50 IN M  
## 38 21669 IT 50 IT S  
## 39 21844 CO 50 CO M  
## 40 21983 PT 100 PT L  
## 41 22611 IN 0 IN L  
## 42 24000 BR 100 BR M  
## 43 24342 IN 100 IN L  
## 44 24823 SI 50 SI L  
## 45 24823 DE 50 DE M  
## 46 25000 US 100 US M  
## 47 25532 RS 100 DE S  
## 48 26005 RO 0 US L  
## 49 28016 TR 100 TR M  
## 50 28369 MT 50 MT L  
## 51 28399 IN 100 IN M  
## 52 28476 PL 100 PL L  
## 53 28609 DK 50 DK S  
## 54 29751 IN 50 IN L  
## 55 30428 IN 100 IN L  
## 56 31615 IN 100 IN L  
## 57 31875 TN 100 CZ M  
## 58 32974 ES 100 ES M  
## 59 32974 GR 100 GR M  
## 60 32974 EE 100 EE S  
## 61 33511 MX 0 MX S  
## 62 33808 IN 0 IN M  
## 63 35590 PL 100 PL L  
## 64 35735 HU 50 HU L  
## 65 36259 HU 50 US L  
## 66 36643 FR 50 FR L  
## 67 37236 US 50 US L  
## 68 37300 GB 100 GB L  
## 69 37825 ES 100 ES L  
## 70 38400 VN 100 US M  
## 71 38776 ES 100 ES M  
## 72 39263 GB 0 GB M  
## 73 39263 GB 100 GB M  
## 74 39916 FR 0 FR M  
## 75 40000 JP 100 MY L  
## 76 40038 CL 100 CL L  
## 77 40189 GR 100 GR M  
## 78 40481 IN 0 IN L  
## 79 40570 IN 50 IN L  
## 80 41689 JP 100 JP S  
## 81 42000 NL 50 NL L  
## 82 42197 FR 50 FR S  
## 83 43331 CN 0 CN M  
## 84 43966 ES 100 ES M  
## 85 43966 GR 100 GR M  
## 86 45391 NL 100 NL L  
## 87 45618 HR 100 HR S  
## 88 45760 PH 100 US S  
## 89 45807 GB 100 GB M  
## 90 45807 GB 0 GB M  
## 91 45807 GB 0 GB M  
## 92 45896 DK 50 DK S  
## 93 46597 PL 100 PL L  
## 94 46759 FR 50 FR L  
## 95 46809 ES 100 ES M  
## 96 47282 ES 100 ES S  
## 97 47899 GR 50 GR L  
## 98 48000 RU 100 US S  
## 99 49268 DE 0 DE S  
## 100 49461 GR 100 GR M  
## 101 49461 ES 100 ES M  
## 102 49646 FR 50 FR M  
## 103 50000 NG 100 NG L  
## 104 50000 US 100 US M  
## 105 50000 VN 100 GB M  
## 106 50000 FR 100 US S  
## 107 50000 US 100 US M  
## 108 50180 PT 0 PT M  
## 109 51064 IT 50 IT L  
## 110 51321 FR 0 FR S  
## 111 51519 GB 50 GB L  
## 112 52000 CA 0 CA M  
## 113 52351 GB 100 GB M  
## 114 52351 GB 0 GB M  
## 115 52351 GB 100 GB M  
## 116 52396 CA 100 CA L  
## 117 53192 FR 50 FR L  
## 118 54000 US 0 US M  
## 119 54094 IN 50 US L  
## 120 54238 GB 50 CA L  
## 121 54742 PK 100 DE L  
## 122 54957 GR 0 GR M  
## 123 54957 DE 50 DE L  
## 124 55000 US 50 US S  
## 125 55000 ES 100 ES L  
## 126 56000 PT 100 US M  
## 127 56256 GB 50 GB L  
## 128 56738 FR 50 FR S  
## 129 58000 US 50 US L  
## 130 58000 US 0 US S  
## 131 58035 PK 100 DE M  
## 132 58255 PT 50 PT L  
## 133 58894 GB 100 GB M  
## 134 59102 FR 50 FR M  
## 135 59102 LU 100 LU L  
## 136 59303 DE 100 DE S  
## 137 60000 RU 100 US S  
## 138 60000 ES 50 RO M  
## 139 60000 US 100 US S  
## 140 60000 AR 100 MX L  
## 141 60000 US 100 US M  
## 142 60757 PT 50 PT L  
## 143 61300 CA 100 CA M  
## 144 61467 DE 50 AT M  
## 145 61896 GB 50 GB L  
## 146 62000 US 0 US L  
## 147 62649 FR 50 FR M  
## 148 62651 NL 100 NL L  
## 149 62726 DE 50 DE S  
## 150 62726 FR 50 LU S  
## 151 63711 JP 50 JP S  
## 152 63810 CA 100 CA M  
## 153 63831 DE 50 DE L  
## 154 63831 DE 50 DE L  
## 155 63900 US 0 US M  
## 156 64849 AT 0 AT L  
## 157 65000 AE 100 AE S  
## 158 65000 US 100 US S  
## 159 65013 DE 50 DE M  
## 160 65438 GB 0 GB M  
## 161 65438 GB 0 GB M  
## 162 65438 GB 0 GB M  
## 163 65949 GR 100 GR M  
## 164 65949 ES 100 ES M  
## 165 66022 HK 50 GB S  
## 166 66265 IN 0 IN L  
## 167 67000 CA 0 CA M  
## 168 68147 FR 100 FR M  
## 169 68428 GR 100 US L  
## 170 69000 US 100 US M  
## 171 69336 CA 100 CA M  
## 172 69741 FR 100 ES S  
## 173 69741 NL 100 NL L  
## 174 69999 CZ 50 CZ L  
## 175 70000 US 100 US L  
## 176 70000 US 100 US M  
## 177 70139 FR 50 FR L  
## 178 70500 US 0 US M  
## 179 70912 CA 50 CA L  
## 180 71444 IE 100 IE S  
## 181 71786 CA 100 CA M  
## 182 71982 GB 0 GB M  
## 183 72000 US 100 US L  
## 184 72212 GB 50 GB L  
## 185 72500 US 100 US L  
## 186 73000 US 0 US L  
## 187 74000 JP 50 JP S  
## 188 74130 AT 50 AT L  
## 189 75000 US 0 US L  
## 190 75000 CA 100 CA S  
## 191 75000 BO 100 US L  
## 192 75000 CA 0 CA M  
## 193 75774 CA 100 CA L  
## 194 76833 DE 100 DE S  
## 195 76833 RO 50 GB S  
## 196 76833 DE 0 DE L  
## 197 76940 ES 100 ES M  
## 198 76940 GR 100 GR M  
## 199 76958 GB 100 GB S  
## 200 77364 JP 50 JP S  
## 201 77684 FR 50 FR M  
## 202 78000 US 100 US M  
## 203 78526 GB 0 GB M  
## 204 78526 GB 0 GB M  
## 205 78526 GB 100 GB M  
## 206 78791 CA 100 CA M  
## 207 78791 CA 100 CA M  
## 208 79039 IN 50 IN L  
## 209 79197 DE 100 DE L  
## 210 79833 DE 0 DE L  
## 211 79833 ES 50 ES L  
## 212 80000 US 100 US M  
## 213 80000 BG 100 US S  
## 214 80000 US 100 US M  
## 215 80000 US 100 US L  
## 216 80000 US 100 US L  
## 217 80000 US 0 US M  
## 218 80000 US 100 US M  
## 219 80000 US 100 US M  
## 220 81000 US 50 US S  
## 221 81666 US 0 US M  
## 222 81666 US 100 US M  
## 223 82500 US 100 US S  
## 224 82528 GB 50 GB L  
## 225 82528 GB 100 GB L  
## 226 82744 BE 50 BE M  
## 227 82900 US 0 US M  
## 228 84900 US 100 US M  
## 229 85000 US 100 US L  
## 230 85000 RU 0 RU M  
## 231 85000 NL 100 DE S  
## 232 85000 CA 0 CA M  
## 233 86703 AU 50 AU M  
## 234 87000 US 100 US L  
## 235 87425 AU 100 AU L  
## 236 87738 CA 100 CA S  
## 237 87932 FR 100 DE M  
## 238 87932 ES 100 ES M  
## 239 87932 GR 100 GR M  
## 240 87932 DE 0 DE M  
## 241 88654 GR 100 DK L  
## 242 88654 BE 100 BE M  
## 243 88654 DE 50 DE L  
## 244 89294 SG 50 SG L  
## 245 90000 US 100 US S  
## 246 90000 US 100 US M  
## 247 90000 US 100 US L  
## 248 90000 US 100 US S  
## 249 90000 US 100 US S  
## 250 90000 US 0 US M  
## 251 90320 US 100 US M  
## 252 90700 CA 100 CA M  
## 253 90734 DE 50 DE L  
## 254 91000 US 100 US L  
## 255 91237 AT 0 AT S  
## 256 91614 GB 100 GB M  
## 257 91614 GB 0 GB M  
## 258 93000 US 100 US L  
## 259 93150 US 0 US M  
## 260 93427 FR 50 FR L  
## 261 93700 US 100 US M  
## 262 93700 US 100 US M  
## 263 94564 DE 50 DE L  
## 264 94665 IN 50 IN L  
## 265 95550 US 0 US M  
## 266 95746 DE 100 US S  
## 267 96113 CA 50 CA L  
## 268 96282 GB 50 GB L  
## 269 98000 US 0 US M  
## 270 98158 GB 0 GB M  
## 271 98158 GB 0 GB M  
## 272 98158 GB 100 GB M  
## 273 99000 US 0 US M  
## 274 99050 US 100 US M  
## 275 99100 US 0 US M  
## 276 99360 US 100 US M  
## 277 99703 CA 50 CA M  
## 278 100000 US 100 US L  
## 279 100000 US 100 US M  
## 280 100000 IQ 50 IQ S  
## 281 100000 US 0 US S  
## 282 100000 US 100 US L  
## 283 100000 US 100 US M  
## 284 100000 JE 0 CN L  
## 285 100000 US 50 US L  
## 286 100000 US 100 US M  
## 287 100000 DZ 50 DZ M  
## 288 100000 CA 100 US M  
## 289 100000 BR 100 US M  
## 290 100000 US 100 US M  
## 291 100800 US 100 US L  
## 292 101570 US 100 US M  
## 293 102100 US 100 US M  
## 294 102100 US 0 US M  
## 295 102839 SI 100 SI L  
## 296 103000 US 100 US L  
## 297 103160 GB 100 GB S  
## 298 103691 CA 100 CA L  
## 299 104702 GB 0 GB M  
## 300 104702 GB 100 GB M  
## 301 104890 US 100 US M  
## 302 105000 US 100 US L  
## 303 105000 US 100 US S  
## 304 105000 US 100 US M  
## 305 105000 US 100 US M  
## 306 105000 US 100 US M  
## 307 105400 US 100 US M  
## 308 106000 US 100 US L  
## 309 106260 US 0 US M  
## 310 106260 US 100 US M  
## 311 108800 US 0 US M  
## 312 109000 US 50 US L  
## 313 109024 GB 50 GB M  
## 314 109280 US 100 US M  
## 315 109280 US 100 US M  
## 316 110000 US 100 US L  
## 317 110000 US 100 US L  
## 318 110000 US 0 US S  
## 319 110000 US 100 US L  
## 320 110000 US 100 US M  
## 321 110037 GB 0 GB L  
## 322 110500 US 100 US M  
## 323 110925 US 100 US M  
## 324 111775 US 0 US M  
## 325 112000 US 100 US L  
## 326 112300 US 100 US L  
## 327 112872 GB 50 GB L  
## 328 112900 US 100 US M  
## 329 113000 US 0 US L  
## 330 113476 GB 100 GB M  
## 331 114047 PL 100 GB S  
## 332 115000 AE 0 AE L  
## 333 115000 US 100 US S  
## 334 115000 US 50 US L  
## 335 115000 US 100 US M  
## 336 115500 US 100 US M  
## 337 115934 US 0 US M  
## 338 115934 US 100 US M  
## 339 116000 US 0 US M  
## 340 116150 US 100 US M  
## 341 116914 GB 50 GB L  
## 342 117104 CA 50 CA L  
## 343 117789 GB 0 GB M  
## 344 117789 GB 0 GB M  
## 345 118000 US 100 US M  
## 346 118187 CA 100 CA S  
## 347 119059 SG 100 IL M  
## 348 120000 US 50 US L  
## 349 120000 US 50 US S  
## 350 120000 US 100 US M  
## 351 120000 US 0 US L  
## 352 120000 US 0 US L  
## 353 120000 US 0 US M  
## 354 120000 US 100 US S  
## 355 120000 US 100 US M  
## 356 120000 US 100 US M  
## 357 120000 AE 100 AE S  
## 358 120000 US 100 US M  
## 359 120000 US 100 US L  
## 360 120160 US 100 US M  
## 361 120600 US 100 US M  
## 362 122346 CH 0 CH L  
## 363 123000 US 100 US M  
## 364 124190 US 100 US M  
## 365 124333 GB 0 GB M  
## 366 125000 NZ 50 NZ S  
## 367 125000 US 100 US S  
## 368 125000 US 0 US M  
## 369 126000 US 100 US M  
## 370 126500 US 0 US M  
## 371 126500 US 100 US M  
## 372 127221 CA 50 CA L  
## 373 128875 US 100 US M  
## 374 128875 US 100 US M  
## 375 129000 US 0 US M  
## 376 130000 US 50 US L  
## 377 130000 US 0 US M  
## 378 130000 US 100 US M  
## 379 130000 CA 100 CA M  
## 380 130000 US 100 US M  
## 381 130000 US 100 US M  
## 382 130026 DE 50 DE M  
## 383 130800 ES 100 US M  
## 384 132000 US 0 US M  
## 385 132320 US 0 US M  
## 386 132320 US 100 US M  
## 387 135000 US 100 US L  
## 388 135000 US 100 US L  
## 389 135000 US 0 US L  
## 390 135000 US 100 US M  
## 391 135000 US 100 US M  
## 392 135000 US 100 US M  
## 393 135000 US 100 US M  
## 394 135000 US 100 US L  
## 395 136000 US 0 US M  
## 396 136600 US 100 US M  
## 397 136620 US 100 US M  
## 398 136994 US 100 US M  
## 399 137141 US 100 US M  
## 400 138000 US 100 US S  
## 401 138350 US 100 US M  
## 402 138600 US 100 US M  
## 403 140000 US 100 US L  
## 404 140000 US 100 US L  
## 405 140000 US 100 US M  
## 406 140250 US 100 US M  
## 407 140400 US 0 US L  
## 408 140400 US 0 US M  
## 409 141300 US 0 US M  
## 410 141846 DE 0 DE L  
## 411 144000 US 100 US L  
## 412 144000 US 50 US L  
## 413 144000 US 100 US M  
## 414 144854 US 100 US M  
## 415 145000 US 100 US M  
## 416 145000 US 100 US M  
## 417 146000 US 100 US M  
## 418 147000 US 50 US L  
## 419 147800 US 100 US M  
## 420 148261 DE 100 DE M  
## 421 150000 US 50 US L  
## 422 150000 IN 100 US L  
## 423 150000 US 100 US L  
## 424 150000 US 100 US M  
## 425 150000 US 0 US L  
## 426 150000 US 100 US M  
## 427 150000 US 100 US L  
## 428 150000 US 100 US M  
## 429 150000 US 0 US M  
## 430 150000 AU 100 AU S  
## 431 150000 US 100 US M  
## 432 150000 US 100 US M  
## 433 150075 US 100 US M  
## 434 150260 US 100 US M  
## 435 151000 US 100 US L  
## 436 152000 US 100 FR L  
## 437 152500 US 100 US M  
## 438 153000 US 100 US L  
## 439 153000 US 50 US M  
## 440 153667 IT 100 PL L  
## 441 154000 US 100 US M  
## 442 154600 US 100 US L  
## 443 155000 US 100 US M  
## 444 155000 US 100 US M  
## 445 156600 US 100 US M  
## 446 157000 US 100 US L  
## 447 158200 US 100 US L  
## 448 159000 US 100 US M  
## 449 160000 BR 100 US S  
## 450 160000 US 100 US L  
## 451 160000 PR 50 US S  
## 452 160000 US 0 US L  
## 453 160000 US 100 US L  
## 454 160000 US 100 US M  
## 455 160000 US 100 US M  
## 456 160080 US 0 US M  
## 457 160080 US 100 US M  
## 458 161342 US 100 US M  
## 459 162674 DE 100 DE M  
## 460 164000 US 0 US M  
## 461 164996 US 0 US M  
## 462 165000 US 100 US L  
## 463 165000 US 0 US M  
## 464 165000 US 100 US L  
## 465 165000 US 100 US M  
## 466 165220 US 100 US M  
## 467 165400 US 100 US M  
## 468 167000 US 100 US M  
## 469 167000 US 100 US M  
## 470 167875 US 100 US M  
## 471 168000 JP 0 JP S  
## 472 170000 US 100 US L  
## 473 170000 US 100 US L  
## 474 170000 US 100 US M  
## 475 170000 US 100 US M  
## 476 170000 US 100 US M  
## 477 170000 US 100 US M  
## 478 173762 DE 100 DE M  
## 479 174000 US 100 US L  
## 480 174000 US 100 US L  
## 481 175000 US 100 US M  
## 482 175000 US 100 US M  
## 483 175100 US 100 US M  
## 484 176000 US 100 US M  
## 485 177000 US 100 US L  
## 486 180000 US 100 US L  
## 487 180000 US 0 US L  
## 488 180000 US 100 US M  
## 489 180000 US 0 US M  
## 490 180000 US 100 US M  
## 491 181940 US 0 US M  
## 492 183228 GB 0 GB M  
## 493 183600 US 100 US L  
## 494 184700 US 0 US M  
## 495 185000 US 100 US L  
## 496 185000 US 50 US L  
## 497 185100 US 100 US M  
## 498 187442 CA 100 CA L  
## 499 188000 US 100 US L  
## 500 189650 US 0 US M  
## 501 190000 US 100 US S  
## 502 190200 US 100 US M  
## 503 192400 CA 100 CA M  
## 504 192564 US 100 US M  
## 505 192600 US 100 US M  
## 506 195000 US 100 US M  
## 507 196979 CA 50 CA L  
## 508 200000 US 100 US L  
## 509 200000 US 100 US M  
## 510 200000 US 100 US L  
## 511 200000 US 100 US L  
## 512 200000 US 100 US L  
## 513 200000 US 100 US M  
## 514 200000 US 100 US M  
## 515 200000 MY 100 US M  
## 516 200000 IN 100 US L  
## 517 200100 US 100 US M  
## 518 205300 US 0 US L  
## 519 205300 US 0 US M  
## 520 205300 US 0 US M  
## 521 206699 US 0 US M  
## 522 208775 US 100 US M  
## 523 209100 US 100 US L  
## 524 210000 US 100 US M  
## 525 210000 US 100 US M  
## 526 211500 US 100 US M  
## 527 213120 US 100 US M  
## 528 214000 US 100 US M  
## 529 215300 US 100 US L  
## 530 215300 US 0 US L  
## 531 216000 US 100 US M  
## 532 220000 US 0 US L  
## 533 220000 US 100 US M  
## 534 220000 US 100 US M  
## 535 220110 US 0 US M  
## 536 220110 US 100 US M  
## 537 224000 US 100 US M  
## 538 225000 US 100 US L  
## 539 225000 US 100 CA L  
## 540 230000 RU 50 RU L  
## 541 230000 US 100 US M  
## 542 235000 US 100 US L  
## 543 235000 US 100 US L  
## 544 240000 US 0 US L  
## 545 241000 US 100 US M  
## 546 242000 US 100 US M  
## 547 243900 US 100 US M  
## 548 250000 US 50 US L  
## 549 250000 US 0 US L  
## 550 256000 US 100 US S  
## 551 260000 JP 0 JP S  
## 552 260000 US 100 US M  
## 553 266400 US 100 US M  
## 554 270000 US 100 US L  
## 555 276000 US 0 US L  
## 556 324000 US 100 US M  
## 557 325000 US 100 US L  
## 558 380000 US 100 US L  
## 559 405000 US 100 US L  
## 560 412000 US 100 US L  
## 561 416000 US 100 US S  
## 562 423000 US 50 US L  
## 563 450000 US 0 US M  
## 564 450000 US 100 US L  
## 565 600000 US 100 US L

# Top 10 salaries  
top\_10\_salaries <- DsSalaries %>%   
 arrange(desc(salary\_in\_usd)) %>%   
 slice\_head(n = 10)  
  
# Least 10 salaries  
least\_10\_salaries <- DsSalaries %>%   
 arrange(salary\_in\_usd) %>%   
 slice\_head(n = 10)  
top\_10\_salaries

## work\_year experience\_level employment\_type  
## 1 2021 EX FT  
## 2 2020 MI FT  
## 3 2021 MI FT  
## 4 2021 MI FT  
## 5 2021 EX CT  
## 6 2020 SE FT  
## 7 2022 SE FT  
## 8 2022 SE FT  
## 9 2020 EX FT  
## 10 2022 EX FT  
## job\_title salary salary\_currency salary\_in\_usd  
## 1 Principal Data Engineer 600000 USD 600000  
## 2 Research Scientist 450000 USD 450000  
## 3 Financial Data Analyst 450000 USD 450000  
## 4 Applied Machine Learning Scientist 423000 USD 423000  
## 5 Principal Data Scientist 416000 USD 416000  
## 6 Data Scientist 412000 USD 412000  
## 7 Data Analytics Lead 405000 USD 405000  
## 8 Applied Data Scientist 380000 USD 380000  
## 9 Director of Data Science 325000 USD 325000  
## 10 Data Engineer 324000 USD 324000  
## employee\_residence remote\_ratio company\_location company\_size  
## 1 US 100 US L  
## 2 US 0 US M  
## 3 US 100 US L  
## 4 US 50 US L  
## 5 US 100 US S  
## 6 US 100 US L  
## 7 US 100 US L  
## 8 US 100 US L  
## 9 US 100 US L  
## 10 US 100 US M

least\_10\_salaries

## work\_year experience\_level employment\_type job\_title  
## 1 2021 MI FT Data Scientist  
## 2 2021 MI FT Data Engineer  
## 3 2021 EN FT Data Scientist  
## 4 2021 MI PT 3D Computer Vision Researcher  
## 5 2021 MI FT Data Scientist  
## 6 2020 EN FT Data Science Consultant  
## 7 2021 EN FT Big Data Engineer  
## 8 2020 MI FT Product Data Analyst  
## 9 2020 EN FT Data Analyst  
## 10 2020 MI FT Data Analyst  
## salary salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 58000 MXN 2859 MX 0  
## 2 4000 USD 4000 IR 100  
## 3 4000 USD 4000 VN 0  
## 4 400000 INR 5409 IN 50  
## 5 420000 INR 5679 IN 100  
## 6 423000 INR 5707 IN 50  
## 7 435000 INR 5882 IN 0  
## 8 450000 INR 6072 IN 100  
## 9 450000 INR 6072 IN 0  
## 10 8000 USD 8000 PK 50  
## company\_location company\_size  
## 1 MX S  
## 2 IR M  
## 3 VN M  
## 4 IN M  
## 5 US S  
## 6 IN M  
## 7 CH L  
## 8 IN L  
## 9 IN S  
## 10 PK L

STEP16: Creating a new column for experienced level

DsSalaries <- DsSalaries %>%  
 mutate(ExperienceLevelCategory = case\_when(  
 experience\_level == "SE" ~ "Senior",  
 experience\_level == "MI" ~ "Mid-Level",  
 experience\_level == "EN" ~ "Entry-Level",  
 experience\_level == "EX" ~ "Executive",  
 TRUE ~ "Unknown" # Catch-all for unexpected values  
 ))  
head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size ExperienceLevelCategory  
## 1 DE L Mid-Level  
## 2 JP S Senior  
## 3 GB M Senior  
## 4 HN S Mid-Level  
## 5 US L Senior  
## 6 US L Entry-Level

STEP17: Creating a new column for company\_size

DsSalaries <- DsSalaries %>%  
 mutate(companysizecategory = case\_when(  
 company\_size == "L" ~ "Large",  
 company\_size == "M" ~ "Midium",  
 company\_size == "S" ~ "Small",  
 TRUE ~ "Unknown" # Catch-all for unexpected values  
 ))  
head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size ExperienceLevelCategory companysizecategory  
## 1 DE L Mid-Level Large  
## 2 JP S Senior Small  
## 3 GB M Senior Midium  
## 4 HN S Mid-Level Small  
## 5 US L Senior Large  
## 6 US L Entry-Level Large

DsSalaries <- DsSalaries[, -c(ncol(DsSalaries)-1, ncol(DsSalaries))]  
head(DsSalaries) #I mistakenly created extra columns for company size , i had to delete it and recode again

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size  
## 1 DE L  
## 2 JP S  
## 3 GB M  
## 4 HN S  
## 5 US L  
## 6 US L

DsSalaries <- DsSalaries %>%  
 mutate(ExperienceLevelCategory = case\_when(  
 experience\_level == "SE" ~ "Senior",  
 experience\_level == "MI" ~ "Mid-Level",  
 experience\_level == "EN" ~ "Entry-Level",  
 experience\_level == "EX" ~ "Executive",  
 TRUE ~ "Unknown" # Catch-all for unexpected values  
 ))  
head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size ExperienceLevelCategory  
## 1 DE L Mid-Level  
## 2 JP S Senior  
## 3 GB M Senior  
## 4 HN S Mid-Level  
## 5 US L Senior  
## 6 US L Entry-Level

DsSalaries <- DsSalaries %>%  
 mutate(companysizecategory = case\_when(  
 company\_size == "L" ~ "Large",  
 company\_size == "M" ~ "Midium",  
 company\_size == "S" ~ "Small",  
 TRUE ~ "Unknown" # Catch-all for unexpected values  
 ))  
head(DsSalaries)

## work\_year experience\_level employment\_type job\_title salary  
## 1 2020 MI FT Data Scientist 70000  
## 2 2020 SE FT Machine Learning Scientist 260000  
## 3 2020 SE FT Big Data Engineer 85000  
## 4 2020 MI FT Product Data Analyst 20000  
## 5 2020 SE FT Machine Learning Engineer 150000  
## 6 2020 EN FT Data Analyst 72000  
## salary\_currency salary\_in\_usd employee\_residence remote\_ratio  
## 1 EUR 79833 DE 0  
## 2 USD 260000 JP 0  
## 3 GBP 109024 GB 50  
## 4 USD 20000 HN 0  
## 5 USD 150000 US 50  
## 6 USD 72000 US 100  
## company\_location company\_size ExperienceLevelCategory companysizecategory  
## 1 DE L Mid-Level Large  
## 2 JP S Senior Small  
## 3 GB M Senior Midium  
## 4 HN S Mid-Level Small  
## 5 US L Senior Large  
## 6 US L Entry-Level Large

STEP:18 AGREGATE

# To find the average salary for each job title, useful for identifying trends in DSC order  
avg\_salary\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(AverageSalary = mean(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(AverageSalary))   
avg\_salary\_by\_job

## # A tibble: 50 × 2  
## job\_title AverageSalary  
## <chr> <dbl>  
## 1 Data Analytics Lead 405000   
## 2 Principal Data Engineer 328333.  
## 3 Financial Data Analyst 275000   
## 4 Principal Data Scientist 215242.  
## 5 Director of Data Science 195074   
## 6 Data Architect 177874.  
## 7 Applied Data Scientist 175655   
## 8 Analytics Engineer 175000   
## 9 Data Specialist 165000   
## 10 Head of Data 160163.  
## # ℹ 40 more rows

# from the result the highest average earned salary are Data Analytics Lead 405000.00   
 # and Principal Data Engineer 328333.33

1. Calculating the sum of salaries for each job title

total\_salary\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(TotalSalary = sum(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(TotalSalary))  
total\_salary\_by\_job

## # A tibble: 50 × 2  
## job\_title TotalSalary  
## <chr> <int>  
## 1 Data Scientist 13433726  
## 2 Data Engineer 13279754  
## 3 Data Analyst 7387347  
## 4 Machine Learning Engineer 3945440  
## 5 Data Architect 1956613  
## 6 Data Science Manager 1899942  
## 7 Research Scientist 1744312  
## 8 Principal Data Scientist 1506697  
## 9 Director of Data Science 1365518  
## 10 Machine Learning Scientist 1267300  
## # ℹ 40 more rows

# From the result the top three total paid salary by job title are Data Scientist 13433726,Data Engineer 13279754   
# andData Analyst 7387347

1. TO find out how many employees are in each job title

employee\_count\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(EmployeeCount = n()) %>%  
 arrange(desc(EmployeeCount))  
employee\_count\_by\_job

## # A tibble: 50 × 2  
## job\_title EmployeeCount  
## <chr> <int>  
## 1 Data Scientist 130  
## 2 Data Engineer 121  
## 3 Data Analyst 82  
## 4 Machine Learning Engineer 39  
## 5 Research Scientist 16  
## 6 Data Science Manager 12  
## 7 Data Architect 11  
## 8 Big Data Engineer 8  
## 9 Machine Learning Scientist 8  
## 10 AI Scientist 7  
## # ℹ 40 more rows

# From the result the job title with the higest number of employee are ; Data Scientist 130 ,Data Engineer 121   
# Data Analyst 82

1. To calculate the median salary for each job title

median\_salary\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(MedianSalary = median(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(MedianSalary))  
median\_salary\_by\_job

## # A tibble: 50 × 2  
## job\_title MedianSalary  
## <chr> <dbl>  
## 1 Data Analytics Lead 405000  
## 2 Financial Data Analyst 275000  
## 3 Head of Data 200000  
## 4 Principal Data Engineer 200000  
## 5 Data Architect 180000  
## 6 Analytics Engineer 179850  
## 7 Principal Data Scientist 173762  
## 8 Director of Data Science 168000  
## 9 Data Specialist 165000  
## 10 Applied Data Scientist 157000  
## # ℹ 40 more rows

# from the result the highest is still the data scientist lead

1. To find Minimum and Maximum Salary by Job Title

min\_max\_salary\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(  
 MinSalary = min(salary\_in\_usd, na.rm = TRUE),  
 MaxSalary = max(salary\_in\_usd, na.rm = TRUE)  
 ) %>%  
 arrange(desc(MaxSalary))  
min\_max\_salary\_by\_job

## # A tibble: 50 × 3  
## job\_title MinSalary MaxSalary  
## <chr> <int> <int>  
## 1 Principal Data Engineer 185000 600000  
## 2 Financial Data Analyst 100000 450000  
## 3 Research Scientist 42000 450000  
## 4 Applied Machine Learning Scientist 31875 423000  
## 5 Principal Data Scientist 148261 416000  
## 6 Data Scientist 2859 412000  
## 7 Data Analytics Lead 405000 405000  
## 8 Applied Data Scientist 54238 380000  
## 9 Director of Data Science 130026 325000  
## 10 Data Engineer 4000 324000  
## # ℹ 40 more rows

(VI)To find standard Deviation of Salary by Job Title

salary\_sd\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(SalarySD = sd(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(SalarySD))  
salary\_sd\_by\_job

## # A tibble: 50 × 2  
## job\_title SalarySD  
## <chr> <dbl>  
## 1 Financial Data Analyst 247487.  
## 2 Principal Data Engineer 235390.  
## 3 Applied Machine Learning Scientist 188247.  
## 4 Applied Data Scientist 123647.  
## 5 ML Engineer 115217.  
## 6 Research Scientist 98543.  
## 7 Principal Data Scientist 94705.  
## 8 Head of Data 88780.  
## 9 Machine Learning Infrastructure Engineer 81381.  
## 10 Machine Learning Scientist 79515.  
## # ℹ 40 more rows

1. Number of Employees by Experience Level

employee\_count\_by\_experience <- DsSalaries %>%  
 group\_by(experience\_level) %>%  
 summarise(EmployeeCount = n()) %>%  
 arrange(desc(EmployeeCount))  
employee\_count\_by\_experience

## # A tibble: 4 × 2  
## experience\_level EmployeeCount  
## <chr> <int>  
## 1 SE 243  
## 2 MI 208  
## 3 EN 88  
## 4 EX 26

1. Average Salary by Company Size

avg\_salary\_by\_company\_size <- DsSalaries %>%  
 group\_by(company\_size) %>%  
 summarise(AverageSalary = mean(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(AverageSalary))  
avg\_salary\_by\_company\_size

## # A tibble: 3 × 2  
## company\_size AverageSalary  
## <chr> <dbl>  
## 1 L 118214.  
## 2 M 114807.  
## 3 S 77872.

1. Salary Distribution by Remote Ratio

avg\_salary\_by\_remote\_ratio <- DsSalaries %>%  
 group\_by(remote\_ratio) %>%  
 summarise(AverageSalary = mean(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(AverageSalary))  
avg\_salary\_by\_remote\_ratio

## # A tibble: 3 × 2  
## remote\_ratio AverageSalary  
## <int> <dbl>  
## 1 100 120763.  
## 2 0 105785.  
## 3 50 80722.

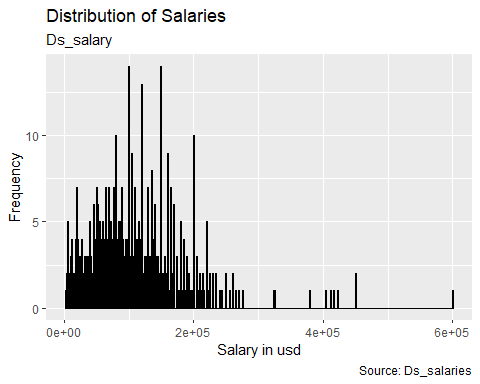
1. The highest Paying Companies

highest\_paying\_companies <- DsSalaries %>%  
 group\_by(company\_location) %>%  
 summarise(AverageSalary = mean(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(AverageSalary))  
highest\_paying\_companies

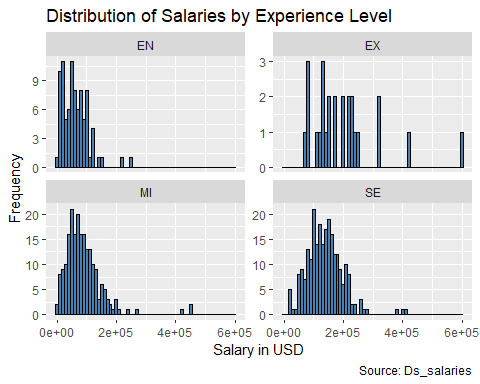
## # A tibble: 50 × 2  
## company\_location AverageSalary  
## <chr> <dbl>  
## 1 RU 157500   
## 2 US 144293.  
## 3 NZ 125000   
## 4 IL 119059   
## 5 JP 114127.  
## 6 AU 108043.  
## 7 CA 100122.  
## 8 AE 100000   
## 9 DZ 100000   
## 10 IQ 100000   
## # ℹ 40 more rows

STEP19: VISUALIZATION

library(ggplot2)  
ggplot(data = DsSalaries) +  
 geom\_histogram(  
 mapping = aes(x = salary\_in\_usd),   
 fill = "steelblue",   
 binwidth = 1000, # Specify bin width  
 color = "black"  
 ) +  
 labs(  
 title = "Distribution of Salaries",  
 subtitle = "Ds\_salary",  
 caption = "Source: Ds\_salaries",  
 x = "Salary in usd",  
 y = "Frequency"  
 )

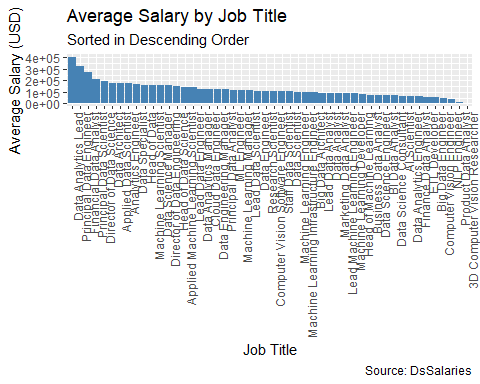


# Trying to facet the graph for more clarity  
ggplot(data = DsSalaries) +  
 geom\_histogram(  
 mapping = aes(x = salary\_in\_usd),   
 fill = "steelblue",   
 binwidth = 10000,   
 color = "black"  
 ) +  
 facet\_wrap(~experience\_level, scales = "free\_y") +  
 labs(  
 title = "Distribution of Salaries by Experience Level",  
 caption = "Source: Ds\_salaries",  
 x = "Salary in USD",  
 y = "Frequency"  
 )

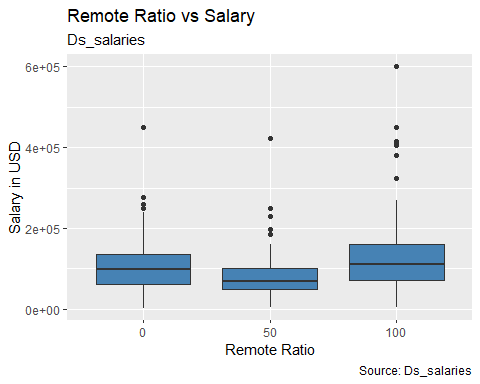


1. PLOTING THE AVERAGE SALARY BY JOB TITLE

ggplot(data = avg\_salary\_by\_job) +  
 geom\_bar(  
 mapping = aes(x = reorder(job\_title, -AverageSalary), y = AverageSalary),   
 stat = "identity",   
 fill = "steelblue"  
 ) +  
 labs(  
 title = "Average Salary by Job Title",  
 subtitle = "Sorted in Descending Order",  
 caption = "Source: DsSalaries",  
 x = "Job Title",  
 y = "Average Salary (USD)"  
 ) +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1)) # Rotate x-axis labels

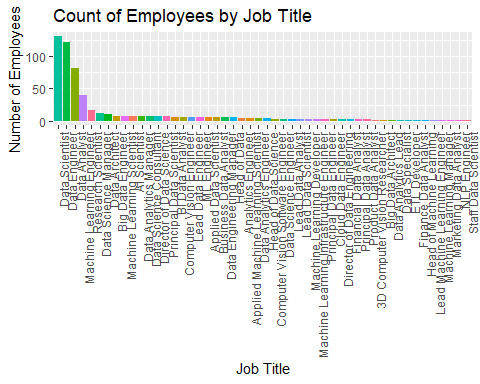
 (II) REMOT RATIO VS SALARY

ggplot(data = DsSalaries) +  
 geom\_boxplot(  
 mapping = aes(x = factor(remote\_ratio), y = salary\_in\_usd),   
 fill = "steelblue"  
 ) +  
 labs(  
 title = "Remote Ratio vs Salary",  
 subtitle = "Ds\_salaries",  
 caption = "Source: Ds\_salaries",  
 x = "Remote Ratio",  
 y = "Salary in USD"  
 )

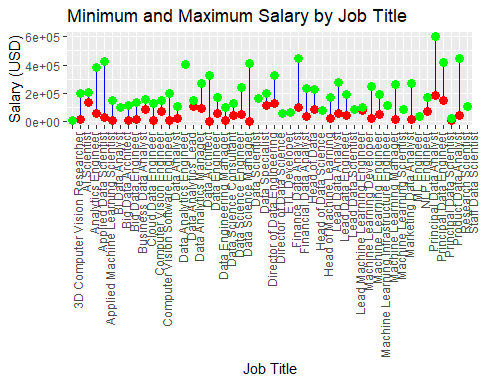


1. Count of Employees by Job Title

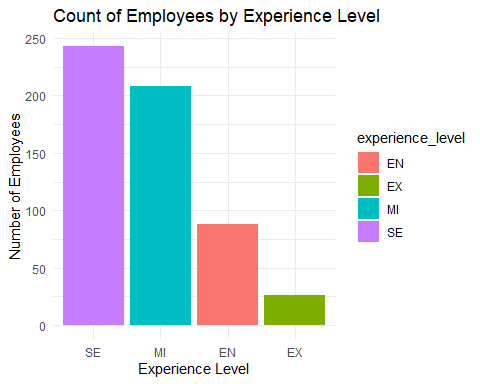
# 1. Count of Employees by Job Title  
employee\_count\_by\_job <- DsSalaries %>%  
 count(job\_title, name = "EmployeeCount")  
  
ggplot(data = employee\_count\_by\_job) +  
 geom\_bar(mapping = aes(x = reorder(job\_title, -EmployeeCount), y = EmployeeCount, fill = job\_title), stat = "identity") +  
 labs(  
 title = "Count of Employees by Job Title",  
 x = "Job Title",  
 y = "Number of Employees"  
 ) +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1)) +  
 theme(legend.position = "none")

 (IV) MININUM AND MXIMUM SALARY BY JOB TITLE

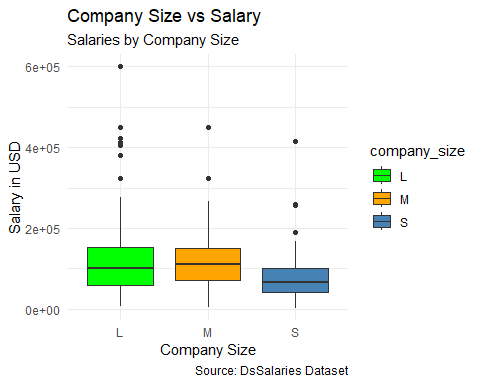
min\_max\_salary\_by\_job <- DsSalaries %>%  
 group\_by(job\_title) %>%  
 summarise(  
 MinSalary = min(salary\_in\_usd, na.rm = TRUE),  
 MaxSalary = max(salary\_in\_usd, na.rm = TRUE)  
 )  
  
ggplot(data = min\_max\_salary\_by\_job) +  
 geom\_segment(aes(x = job\_title, xend = job\_title, y = MinSalary, yend = MaxSalary), color = "blue") +  
 geom\_point(aes(x = job\_title, y = MinSalary), color = "red", size = 3) +  
 geom\_point(aes(x = job\_title, y = MaxSalary), color = "green", size = 3) +  
 labs(  
 title = "Minimum and Maximum Salary by Job Title",  
 x = "Job Title",  
 y = "Salary (USD)"  
 ) +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))

 (V) Count of Employees by Experience Level

employee\_count\_by\_experience <- DsSalaries %>%  
 count(experience\_level, name = "EmployeeCount")  
  
ggplot(data = employee\_count\_by\_experience) +  
 geom\_bar(mapping = aes(x = reorder(experience\_level, -EmployeeCount), y = EmployeeCount, fill = experience\_level), stat = "identity") +  
 labs(  
 title = "Count of Employees by Experience Level",  
 x = "Experience Level",  
 y = "Number of Employees"  
 ) +  
 theme\_minimal()

 (V) company size by salary

ggplot(data = DsSalaries, aes(x = company\_size, y = salary\_in\_usd, fill = company\_size)) +  
 geom\_boxplot() +  
 labs(  
 title = "Company Size vs Salary",  
 subtitle = "Salaries by Company Size",  
 caption = "Source: DsSalaries Dataset",  
 x = "Company Size",  
 y = "Salary in USD"  
 ) +  
 scale\_fill\_manual(  
 values = c("S" = "steelblue", "M" = "orange", "L" = "green") # Customize colors for each company size  
 ) +  
 theme\_minimal()

 (VI) HIGHEST PAYING COMPANY

highest\_paying\_companies <- DsSalaries %>%  
 group\_by(company\_location) %>%  
 summarise(AverageSalary = mean(salary\_in\_usd, na.rm = TRUE)) %>%  
 arrange(desc(AverageSalary)) %>%  
 slice\_head(n = 10)  
  
ggplot(data = highest\_paying\_companies) +  
 geom\_bar(mapping = aes(x = reorder(company\_location, -AverageSalary),   
 y = AverageSalary,   
 fill = company\_location), stat = "identity") +  
 labs(  
 title = "Top 10 Highest Paying Companies",  
 x = "Company Location",  
 y = "Average Salary (USD)"  
 ) +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1)) # Optional: Rotate x-axis labels

