```
import pandas as pd
```

```
from google.colab import files
uploaded = files.upload()
```

Choose Files fitness_tracker.csv

- **fitness_tracker.csv**(text/csv) - 15919 bytes, last modified: 5/16/2025 - 100% done

```
Saving fitness_tracker.csv to fitness_tracker.csv
```

```
df_fitness= pd.read_csv("fitness_tracker.csv")
```

```
print("\n First 10 rows in fitness tracker dataset= >:")
df_fitness.head(10)
```

```

 First 10 rows in fitness tracker dataset= >:
```

	User_ID	Steps	Heart_Rate	Calories_Burned	BMI	Workout_Intensity	Active_Minutes
0	1	11895	131	333	22.8	High	119
1	2	10618	82	759	29.4	Moderate	106
2	3	12674	130	607	26.9	High	127
3	4	19579	84	505	25.4	High	196
4	5	5156	127	433	20.3	Moderate	52
5	6	16883	135	201	20.3	High	169
6	7	15164	122	692	19.2	High	152
7	8	17151	65	696	28.5	High	172
8	9	13918	129	351	25.4	Moderate	139
9	10	12975	160	512	26.6	High	130

Next steps: Generate code with `df_fitness` View recommended plots New interactive sheet

```
print("\n Last 10 rows in fitness tracker dataset= >:")
df_fitness.tail(10)
```

```

 Last 10 rows in fitness tracker dataset= >:
```

	User_ID	Steps	Heart_Rate	Calories_Burned	BMI	Workout_Intensity	Active_Minutes
490	491	15341	124	53	23.7	High	153
491	492	15193	90	526	25.6	High	152
492	493	17875	84	632	21.7	High	179
493	494	11129	178	482	20.7	High	111
494	495	8700	75	433	23.8	Moderate	87
495	496	11535	147	435	22.6	High	115
496	497	7774	129	380	25.2	Moderate	78
497	498	1532	145	553	19.4	High	15
498	499	12868	82	789	29.7	Moderate	129
499	500	19608	60	330	29.8	High	196

```
print("Correlation between variables in Fitness tracker dataset")
print(df_fitness.corr(numeric_only=True))
```

```
Correlation between variables in Fitness tracker dataset
                  User_ID     Steps  Heart_Rate  Calories_Burned       BMI  \
User_ID          1.000000  0.044757   -0.064732        -0.011840  0.051001
Steps            0.044757  1.000000   -0.020342         0.019221  0.004726
Heart_Rate      -0.064732 -0.020342    1.000000         0.040379 -0.097384
Calories_Burned -0.011840  0.019221    0.040379         1.000000 -0.051027
BMI              0.051001  0.004726   -0.097384        -0.051027  1.000000
Active_Minutes   0.044569  0.999986   -0.020080         0.019073  0.004718
```

```
                  Active_Minutes
User_ID                 0.044569
Steps                   0.999986
Heart_Rate             -0.020080
Calories_Burned         0.019073
BMI                     0.004718
Active_Minutes          1.000000
```

```
from google.colab import files
uploaded = files.upload()
```

Choose Files Global_AI_...Dataset.csv

- **Global_AI_Content_Impact_Dataset.csv**(text/csv) - 15994 bytes, last modified: 5/16/2025 - 100% done

```
Saving Global_AI_Content_Impact_Dataset.csv to Global_AI_Content_Impact_Dataset.csv
```

```
df_ai= pd.read_csv("Global_AI_Content_Impact_Dataset.csv")
```

```
print("\n First 10 rows in AI dataset= >:")
df_ai.head(10)
```

```
 First 10 rows in AI dataset= >:
```

	Country	Year	Industry	AI Adoption Rate (%)	AI-Generated Content Volume (TBs per year)	Job Loss Due to AI (%)	Revenue Increase Due to AI (%)	Human-AI Collaboration Rate (%)	Top AI Tools Used	Regulation Status	Consumer Trust in AI (%)	Market Share of AI Companies (%)
0	South Korea	2022	Media	44.29	33.09	16.77	46.12	74.79	Bard	Strict	40.77	18.73
1	China	2025	Legal	34.75	66.74	46.89	52.46	26.17	DALL-E	Strict	35.67	35.02
2	USA	2022	Automotive	81.06	96.13	10.66	45.60	39.66	Stable Diffusion	Moderate	54.47	22.76
3	France	2021	Legal	85.24	93.76	27.70	78.24	29.45	Claude	Moderate	51.84	1.93
4	France	2021	Gaming	78.95	45.62	17.45	1.05	21.70	Midjourney	Strict	41.77	21.41
5	USA	2021	Retail	66.95	47.72	0.86	27.58	64.42	ChatGPT	Lenient	68.14	8.09
6	Australia	2023	Media	68.23	6.14	6.20	53.13	53.16	Claude	Moderate	71.60	15.26
7	UK	2023	Gaming	91.27	33.87	41.67	56.26	59.93	ChatGPT	Moderate	46.98	28.51
8	Canada	2025	Education	17.02	87.77	4.59	52.45	64.72	Claude	Moderate	60.55	22.70

Next steps: Generate code with `df_ai` View recommended plots New interactive sheet

```
print("\n Last 10 rows in AI dataset= >:")
df_ai.tail(10)
```

```
Last 10 rows in AI dataset= >:
```

	Country	Year	Industry	AI Adoption Rate (%)	AI-Generated Content Volume (TBs per year)	Job Loss Due to AI (%)	Revenue Increase Due to AI (%)	Human-AI Collaboration Rate (%)	Top AI Tools Used	Regulation Status	Consumer Trust in AI (%)	Market Share of AI Companies (%)
190	France	2023	Legal	48.39	57.31	1.20	17.95	61.69	Bard	Lenient	66.25	44.40
191	Canada	2020	Legal	39.94	57.79	46.08	44.31	38.14	Midjourney	Strict	46.49	37.29
192	Canada	2025	Marketing	78.43	84.82	26.41	4.72	33.28	Synthesia	Moderate	64.49	45.04
193	South Korea	2025	Gaming	81.86	35.53	28.46	7.11	63.48	ChatGPT	Moderate	31.33	11.61
194	France	2025	Retail	29.61	59.56	24.68	46.92	57.21	DALL-E	Moderate	31.70	28.90
195	Germany	2021	Automotive	89.44	52.98	48.47	12.14	30.60	DALL-E	Lenient	77.21	44.35
196	Germany	2020	Media	70.11	28.26	27.62	57.86	58.71	DALL-E	Strict	78.74	31.73
197	France	2023	Marketing	65.77	49.83	39.94	79.44	43.73	Synthesia	Lenient	81.58	14.62
198	Australia	2023	Automotive	45.35	20.49	33.21	50.50	41.73	Claude	Strict	47.42	43.11
	South								Stable			

```
print("Correlation between variables in AI dataset")
print(df_ai.corr(numeric_only=True))
```

```
Year                                                             0.026257
AI Adoption Rate (%)                                            -0.042364
AI-Generated Content Volume (TBs per year)                       1.000000
Job Loss Due to AI (%)                                           0.062185
Revenue Increase Due to AI (%)                                   0.029310
Human-AI Collaboration Rate (%)                                  0.018461
Consumer Trust in AI (%)                                         0.027773
Market Share of AI Companies (%)                                -0.027789

                                            Job Loss Due to AI (%)  \
Year                                                     -0.105232
AI Adoption Rate (%)                                     -0.004589
AI-Generated Content Volume (TBs per year)                0.062185
Job Loss Due to AI (%)                                    1.000000
Revenue Increase Due to AI (%)                            0.152893
Human-AI Collaboration Rate (%)                           0.021559
Consumer Trust in AI (%)                                  0.082446
Market Share of AI Companies (%)                          0.078331

                                            Revenue Increase Due to AI (%)  \
Year                                                             -0.087015
AI Adoption Rate (%)                                              0.001883
AI-Generated Content Volume (TBs per year)                        0.029310
Job Loss Due to AI (%)                                            0.152893
Revenue Increase Due to AI (%)                                    1.000000
Human-AI Collaboration Rate (%)                                   0.081275
Consumer Trust in AI (%)                                          0.028598
Market Share of AI Companies (%)                                  0.006712

                                            Human-AI Collaboration Rate (%)  \
Year                                                               0.066220
AI Adoption Rate (%)                                               0.050359
AI-Generated Content Volume (TBs per year)                         0.018461
Job Loss Due to AI (%)                                             0.021559
Revenue Increase Due to AI (%)                                     0.081275
Human-AI Collaboration Rate (%)                                    1.000000
Consumer Trust in AI (%)                                           0.003955
Market Share of AI Companies (%)                                  -0.040572
```

```
AI Adoption Rate (%)                                      0.065829
AI-Generated Content Volume (TBs per year)               -0.027789
Job Loss Due to AI (%)                                    0.078331
Revenue Increase Due to AI (%)                            0.006712
Human-AI Collaboration Rate (%)                          -0.040572
Consumer Trust in AI (%)                                 -0.032108
Market Share of AI Companies (%)                          1.000000
```