Dataset Description

AI Global Index dataset:

Description:

This dataset is about 62 countries and their various investments in Artificial Intelligence which gave them a ranking that we are calling the AI Index with USA holding rank 1.

This dataset has **62 observations with 13 variables**. The variables are a mix of character and double type.

Format:

Variable Name	Variable Type	Description
Country	character	name of country
Talent	double	indicator focuses on the availability of skilled practitioners for the provision of artificial intelligence solutions
Infrastructure	double	indicator focuses on the availability of skilled practitioners for the provision of artificial intelligence solutions
Operating.Environment	double	indicator focuses on the regulatory context, and public opinion surrounding artificial intelligence
Research	double	indicator focuses on the extent of specialist research and researchers; investigating the amount of publications and citations in credible academic journals
Development	double	indicator focuses on the development of fundamental platforms and algorithms upon which innovative artificial intelligence projects rely
Government.Strategy	double	indicator focuses on the depth of commitment from national government to artificial intelligence; investigating spending commitments and national strategies
Commercial	double	indicator focuses on the level of startup activity, investment and business initiatives based on artificial intelligence
Total.score	double	the AI global rank
Region	character	region the country belongs to
Cluster	character	how powerful is the country politically
Income.group	character	how much income the country has
Political.regime	character	what political policy does the country have

Source:

https://www.kaggle.com/datasets/katerynameleshenko/ai-index

Data Collection:

All these seven indicators were calculated by Tortoise Media via weighting and summarizing 143 other indicators.

Sample Data:

```{r}
head(db)
```

Description: df [6 × 13]

	Country <chr>	Talent <dbl>	Infrastructure <dbl>	Operating.Environment <dbl>	Research <dbl>
1	United States of America	1.000e+02	9.402e+01	6.456e+01	1.000e+02
2	China	1.651e+01	1.000e+02	9.157e+01	7.142e+01
3	United Kingdom	3.965e+01	7.143e+01	7.465e+01	3.650e+01
4	Canada	3.128e+01	7.705e+01	9.394e+01	3.067e+01
5	Israel	3.576e+01	6.758e+01	8.244e+01	3.263e+01
6	Singapore	3.938e+01	8.430e+01	4.315e+01	3.767e+01

6 rows | 1–6 of 13 columns

```{r}
head(db)
```

Description: df [6 × 13]

	Operating.Environment <dbl>	Research <dbl>	Development <dbl>	Government.Strategy <dbl>	Commercial <dbl>
	6.456e+01	1.000e+02	1.000e+02	7.739e+01	1.000e+02
	9.157e+01	7.142e+01	7.997e+01	9.487e+01	4.402e+01
	7.465e+01	3.650e+01	2.503e+01	8.282e+01	1.891e+01
	9.394e+01	3.067e+01	2.578e+01	1.000e+02	1.488e+01
	8.244e+01	3.263e+01	2.796e+01	4.391e+01	2.733e+01
	4.315e+01	3.767e+01	2.255e+01	7.982e+01	1.507e+01

6 rows | 5–9 of 13 columns

```{r}
head(db)
```

Description: df [6 × 13]

	Total.score <dbl>	Region <chr>	Cluster <chr>	Income.group <chr>	Political.regime <chr>
	1.000e+02	Americas	Power players	High	Liberal democracy
	6.292e+01	Asia–Pacific	Power players	Upper middle	Closed autocracy
	4.093e+01	Europe	Traditional champions	High	Liberal democracy
	4.019e+01	Americas	Traditional champions	High	Liberal democracy
	3.989e+01	Middle East	Rising stars	High	Liberal democracy
	3.867e+01	Asia–Pacific	Rising stars	High	Electoral democracy

6 rows | 10–14 of 13 columns