Entity relationship diagrams

Entity-relationship diagrams (ERD) are essential to modeling databases. Learn about ER diagram symbols and notation here.

Country_name   (VARCHAR, Composite PK Part 1 + Foreign Key)
Year   (INT, Composite PK Part 2)
Temperature change   (FLOAT, Regular Attribute)

Temperature changes	
Primary Key, Foreign Key	Country_name(VARCHAR)
Primary Key	Year(INT)
Regular Attribute	Temperature change(Float)

One-to-many relation

Countries	
Primary Key	Country_name(VARCHAR)

Date_id   (INT, Primary Key - Surrogate Key)
Date   (DATETIME, Regular Attribute)
Year   (INT, Regular Attribute - Derived from date)
Month   (INT, Regular Attribute - Derived from date)
Anomaly   (FLOAT, Regular Attribute)

Monthly Anomalies	
Primary Key	Date_id(INT)
Regular Attribute	Year(INT)
Regular Attribute	Month(INT)
Regular Attribute	Anomaly(Float)
Regular Attribute	Date(DATETIME)

No foreign key relationships

Global Anomalies	
Primary Key	Year(INT)
Regular Attribute	avg_anomaly