1. 'survived':

Description: This column indicates whether a passenger survived or not.

Values:

0: Did not survive.

1: Survived.

2. 'pclass':

Description: The passenger's class (or ticket class), which can be thought of as the socio-economic status.

Values:

1: First class (highest class).

2: Second class.

3: Third class (lowest class).

3. 'sex':

Description: The gender of the passenger.

Values:

male: Male passenger.

female: Female passenger.

4. 'age':

Description: The age of the passenger in years.

Values: Numeric value (e.g., 22, 35, 58). Some missing values may be present.

5. 'sibsp':

Description: The number of siblings or spouses the passenger was traveling with.

Values: Numeric value (e.g., 0 means the passenger was alone, 1 means they were traveling with one sibling/spouse, etc.).

6. 'parch':

Description: The number of parents or children the passenger was traveling with.

Values: Numeric value (e.g., 0 means the passenger was traveling alone, 2 means they were traveling with two parents/children, etc.).

7. 'fare':

Description: The fare the passenger paid for their ticket.

Values: Numeric value representing the amount (e.g., 7.25, 71.28). The fare is in British pounds.

8. 'embarked':

Description: The port at which the passenger boarded the Titanic.

Values:

C: Cherbourg (a port in France).

Q: Queenstown (now known as Cobh, a port in Ireland).

S: Southampton (a port in England).

9. 'class':

Description: This column is similar to pclass, indicating the passenger's class or socio-economic status.

Values:

First: First class (highest class).

Second: Second class.

Third: Third class (lowest class).

10. 'who':

Description: The gender and age of the passenger, divided into categories.

Values:

male: Male passenger.

female: Female passenger.

child: Passenger who is a child (generally under a certain age, often 12 or 14).

11. 'adult\_male':

Description: Indicates whether the passenger is an adult male.

Values:

True: The passenger is an adult male.

False: The passenger is not an adult male (could be female or child).

12. 'deck':

Description: The deck of the Titanic on which the passenger's cabin was located.

Values: A letter representing the deck (e.g., A, B, C, D, etc.). Missing values may be present if the passenger's deck information is unknown.

13. 'embark\_town':

Description: The town or city where the passenger boarded the Titanic.

Values:

Cherbourg: A port in France.

Queenstown: A port in Ireland.

Southampton: A port in England.

14. 'alive':

Description: Indicates whether the passenger was alive at the end of the voyage.

Values:

yes: The passenger was alive.

no: The passenger did not survive.

15. 'alone':

Description: Indicates whether the passenger was traveling alone or with family members.

Values:

True: The passenger was traveling alone.

False: The passenger was traveling with at least one family member.

Summary of Column Roles:

-Survival-related columns: survived, alive.

-Passenger demographics: sex, age, who, adult\_male, embarked, embark\_town.

-Passenger travel details: pclass, class, sibsp, parch, fare, deck, alone.