

Final RQ

Group_B_158

DS082: water_portability.csv

Data set ID: DS082

Sample of our Dataset:

Variables used in our RQ:

Dependent variable: Solids

Independent variables: Portability

	ph	Hardness	Solids	Chloramines	Potability
1	NA	204.8905	20792.32	7.300212	0
2	3.716080	129.4229	18630.06	6.635246	0
3	8.099124	224.2363	19909.53	9.275884	0
4	8.316766	214.3734	22018.42	8.059332	0
5	9.0922233	181.1015	17978.99	6.546600	0

Number of rows = 3276

Our Research Question is: “Is there a difference in mean Total Dissolved Solids (TDS) between drinkable and non-drinkable water samples?”

Null Hypothesis H0: There is no difference in the mean Solids between drinkable and non-drinkable water samples.

Alternate hypothesis H1: There is a difference in the mean Solids between drinkable and non-drinkable water samples.