Documentation of Ceramic Tiles Dataset

Dataset Name: The name of the dataset is **Ceramic Tiles Dataset.**

Dataset Usage: This dataset is being used for **Assessment** of the respected project.

Number of Cases: This dataset contains a total of **100** cases or samples.

Number of Features: This dataset consists a total of **12** features or attributes.

Description of Features:

1. Material: In which material the tiles is made of. Contains categorical values.

2. Type: In which type the tiles can be put generally. Contains categorical values.

3. Size: The area of the tile. The format is "width x height". Unit is mm^2.

4. Width: The width of the tile. Contains numerical values. Unit is mm.

5. Height: The height of the tile. Contains numerical values. Unit is mm.

6. Thickness: The thickness of the tile. Contains numerical values. Unit is mm.

7. Color: The color of the tile's design. Contains categorical values.

8. Surface Treatment: Which kind of finishing layer the tile has been given. Contains categorical values.

9. Water Absorption: Amount of water that the tile absorbs. Unit is in percentage.

10. Water Absorption (modified): Water absorption feature's value, but in modified form. "Less than" sign is removed and mean value has been taken if there was range value given. Unit is in percentage.

11. Price (per sq. meter): Price of the tile per square meter. Contains numerical values. Unit is in $ (US-dollar).

12. Avg. Price: As in maximum case, the price was given in range. In this feature, the average value of the range has been taken. Contains numerical values. Unit is in $ (US-dollar).

Dataset Origin: Respected data for this dataset has been taken from **Foshan Urban Ceramics Co Ltd**'s website https://urbanceramics.en.made-in-china.com/