ASSIGNMENT - 1

Assessing the Safety of Municipal Drinking Water

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Register number : 922520106055

Naan Muthalvan Team: Analytical Data Science

Team ID: **NM2023TMID19767**

Assignmentlink in Workwl

a

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2.50         3650   \n",
            "1  6762810635  42491                   4
2.50         2920   \n",
            "2  6762810998  42491                   5
2.75         2910   \n",
            "3  6762812605  42491                   4
2.50         3310   \n",
            "4  6762812919  42491                   3
2.00         2710   \n",
            "\n",
            "   lot area  number of floors  waterfront present  number of
views  \\\n",
            "0      9050               2.0                   0
4   \n",
            "1      4000               1.5                   0
0   \n",
            "2      9480               1.5                   0
0   \n",
            "3     42998               2.0                   0
0   \n",
            "4      4500               1.5                   0
0   \n",
            "\n",
            "   condition of the house  ...  Built Year  Renovation Year
Postal Code  \\\n",
            "0                       5  ...        1921                0
122003   \n",
            "1                       5  ...        1909                0
122004   \n",
            "2                       3  ...        1939                0
122004   \n",
            "3                       3  ...        2001                0
122005   \n",
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122006   \n",
            "\n",
            "   Lattitude  Longitude  living_area_renov  lot_area_renov
\\\n",
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\n",
            "1    52.8878   -114.470               2470            4000
\n",
            "2    52.8852   -114.468               2940            6600
\n",
            "3    52.9532   -114.321               3350           42847
\n",
            "4    52.9047   -114.485               2060            4500
\n",
            "\n",
            "   Number of schools nearby  Distance from the airport
Price  \n",
            "0                         2                         58
2380000  \n",
            "1                         2                         51
1400000  \n",
            "2                         1                         53
1200000  \n",
            "3                         3                         76
838000  \n",
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Dtype  \n",
            "---  ------                                 --------------
-----  \n",
            " 0   id                                     14620 non-null
int64  \n",
            " 1   Date                                   14620 non-null
int64  \n",
            " 2   number of bedrooms                     14620 non-null
int64  \n",
            " 3   number of bathrooms                    14620 non-null
float64\n",
            " 4   living area                            14620 non-null
int64  \n",
            " 5   lot area                               14620 non-null
int64  \n",
            " 6   number of floors                       14620 non-null
float64\n",
            " 7   waterfront present                     14620 non-null
int64  \n",
            " 8   number of views                        14620 non-null
int64  \n",
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int64  \n",
            " 10  grade of the house                     14620 non-null
int64  \n",
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int64  \n",
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            " 14  Renovation Year                        14620 non-null
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            " 15  Postal Code                            14620 non-null
int64  \n",
            " 16  Lattitude                              14620 non-null
float64\n",
            " 17  Longitude                              14620 non-null
float64\n",
            " 18  living_area_renov                      14620 non-null
int64  \n",
            " 19  lot_area_renov                         14620 non-null
int64  \n",
            " 20  Number of schools nearby               14620 non-null
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            " 21  Distance from the airport              14620 non-null
int64  \n",
            " 22  Price                                  14620 non-null
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2.129583   \n",
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0.769934   \n",
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0.500000   \n",
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1.750000   \n",
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2.250000   \n",
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2.500000   \n",
            "max    6.762832e+09  42734.000000           33.000000
8.000000   \n",
            "\n",
            "        living area      lot area  number of floors
waterfront present  \\\n",
            "count  14620.000000  1.462000e+04      14620.000000
14620.000000   \n",
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0.000000   \n",
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1.000000   \n",
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Year  \\\n",
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1975.000000   \n",
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1997.000000   \n",
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2015.000000   \n",
            "\n",
            "       Renovation Year    Postal Code     Lattitude
Longitude  \\\n",
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            "max        2015.000000  122072.000000     53.007600   -
113.505000   \n",
            "\n",
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nearby  \\\n",
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1.000000   \n",
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1.000000   \n",
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2.000000   \n",
            "75%          2380.000000    10125.000000
3.000000   \n",
            "max          6110.000000   560617.000000
3.000000   \n",
            "\n",
            "       Distance from the airport         Price  \n",
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            "mean                   64.950958  5.389322e+05  \n",
            "std                     8.936008  3.675324e+05  \n",
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        "\n",
        "\n",
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2.05 0 2.83L4 21.41c.39.39.9.59 1.41.59.51 0 1.02-.2 1.41-.59l7.78-7.78
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