* הערה : על מנת לבדוק את השפעת הביצועים של הפיצר כמות מבקרים שנה שעברה הוכן אותו דאטה עבור train and test ולכן הגדול הדאטה שווה לשניהם.
* אחרת, כאשר אין הפיצר כמות המבקרים של שנה שעברה אז יש יותר רשומות ( כלומר אין ערכי NAN כלומר גודל הדאטה יותר רחב בערך 300-600 רשומות יותר)

En Gedi:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | MLR without last year visits: | MLR with last year visits: | NN with last year visits: | NN without last year visits: |
| Coeff -MLR  LIME - NN | |  |  | | --- | --- | | Temperature | -697.17588 | | IsVacation | -164.84122 | | is\_weekend | -90.95171 | | pm10 | 383.59330 | | IsHoliday | 523.19055 | | |  |  | | --- | --- | | Temperature | -581.86869 | | IsVacation | -119.93818 | | is\_weekend | -78.52285 | | pm10 | 463.86356 | | IsHoliday | 535.19772 | | last\_year\_visitors | 634.38849 | | |  |  | | --- | --- | | sHoliday | 540.782271 | | IsVacation | -143.572301 | | Temperature | -96.045518 | | is weekend | 29.015857 | | last year visitors | 22.244141 | | pm10 | -17.610006 | | |  |  | | --- | --- | | IsHoliday | 405.121145 | | IsVacation | -214.757101 | | is weekend | -105.950955 | | Temperature | -87.154307 | | pm10 | -21.121490 | |
| Size | 1002 | | | |
| Train rmse | 681.3188067377151 | 672.0952430773729 | 621.9716797769046 | 677.1284675783805 |
| Train std | 719.3264043576573 | | | |
| Test rmse | 628.7267618560822 | 619.6994520075506 | 600.9808580822113 | 623.8877939512751 |
| Test std | 690.7782847249603 | | | |

The Masada:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | MLR without last year visits: | MLR with last year visits: | NN with last year visits: | NN without last year visits: |
| Coeff | |  |  | | --- | --- | | Temperature | -698.62463 | | IsVacation | -555.90523 | | is\_weekend | -131.05562 | | IsHoliday | 143.60008 | | pm10 | 194.51282 | | |  |  | | --- | --- | | Temperature | -488.41952 | | IsVacation | -435.53464 | | is\_weekend | -127.55243 | | pm10 | 64.07809 | | IsHoliday | 177.73131 | | last\_year\_visitors | 1491.36468 | | |  | | --- | |  | | last year visitors | 536.982661 | | IsVacation | -401.849055 | | is weekend | -131.637240 | | pm10 | -17.276055 | | IsHoliday | 14.321664 | | Temperature | -13.013883 | | |  |  | | --- | --- | | IsVacation | -711.661198 | | Temperature | 266.579701 | | is weekend | -161.256040 | | IsHoliday | -17.875883 | | pm10 | -14.120335 | |
| Size | 1002 | | | |
| Train rmse | 745.3076673375676 | 691.0328710086147 | 667.4085167217634 | 721.7073400368621 |
| Train std | 809.1665472718446 | | | |
| Test rmse | 688.6107706606393 | 642.6634061847436 | 621.9546170114946 | 682.5943092330831 |
| Test std | 782.933047432456 | | | |

Ceasarea:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | MLR without last year visits: | MLR with last year visits: | NN with last year visits: | NN without last year visits: |
| Coeff |  |  |  |  |
| Size | 1002 | | | |
| Train rmse | 666.9928127547362 | 656.7777478855108 |  |  |
| Train std | 710.8168097789209 | | | |
| Test rmse | 683.4041265434053 | 675.5391144832873 |  |  |
| Test std | 724.467595255992 | | | |

Banias:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | MLR without last year visits: | MLR with last year visits: | NN with last year visits: | NN without last year visits: |
| Coeff |  |  |  |  |
| Size | 1002 | | | |
| Train rmse | 666.9928127547362 | 656.7777478855108 |  |  |
| Train std | 710.8168097789209 | | | |
| Test rmse | 683.4041265434053 | 675.5391144832873 |  |  |
| Test std | 724.467595255992 | | | |