

## Pearson Correlation Analysis

### Focused Analysis on Field Padacity\_Sales

	Association Measure	p-value
Census_Population	0.682255	0.029741*
Total_Families	0.606820	0.062852.
Household_with_Under_18	0.493491	0.147199
Population_Density	0.486034	0.154363
Land_Area	-0.030629	0.933062

### Full Correlation Matrix

	Padacity_ Sales	Census_ Population	Household_ with_Under_18	Land_ Area	Population_ Density	Total_ Families
Padacity_Sales	1.000000	0.682255	0.493491	-0.030629	0.486034	0.606820
Census_Population	0.682255	1.000000	0.941359	0.323687	0.788912	0.917801
Household_with_Under_18	0.493491	0.941359	1.000000	0.440704	0.771860	0.911990
Land_Area	-0.030629	0.323687	0.440704	1.000000	-0.114892	0.563599
Population_Density	0.486034	0.788912	0.771860	-0.114892	1.000000	0.685433
Total_Families	0.606820	0.917801	0.911990	0.563599	0.685433	1.000000

### Matrix of Corresponding p-values

	Padacity_ Sales	Census_ Population	Household_ with_Under_18	Land_ Area	Population_ Density	Total_ Families
Padacity_Sales		2.9741e-02	1.4720e-01	9.3306e-01	1.5436e-01	6.2852e-02
Census_Population	2.9741e-02		4.8182e-05	3.6157e-01	6.6737e-03	1.8069e-04
Household_with_Under_18	1.4720e-01	4.8182e-05		2.0239e-01	8.9055e-03	2.3577e-04
Land_Area	9.3306e-01	3.6157e-01	2.0239e-01		7.5197e-01	8.9750e-02
Population_Density	1.5436e-01	6.6737e-03	8.9055e-03	7.5197e-01		2.8692e-02
Total_Families	6.2852e-02	1.8069e-04	2.3577e-04	8.9750e-02	2.8692e-02	