

## Correlation Matrix Report

Dataset C:\Users\Dr\_la\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

### Pearson Correlation Report

Row-Wise Missing Value Deletion

#### Section 1

Variables	House_Floor_area_sqm	Bedrooms	Bathrooms	Car_Spaces
House_Floor_area_sqm	1.0000	0.2281	0.1531	0.1301
Bedrooms	0.2281	1.0000	0.3687	0.2746
Bathrooms	0.1531	0.3687	1.0000	0.2593
Car_Spaces	0.1301	0.2746	0.2593	1.0000
DistanceMM	0.1644	0.1473	0.1231	0.0894
sale_price	0.2103	0.2440	0.2073	0.2187
sale_date_in_numbers	0.0257	0.0235	0.0205	0.0687

#### Section 2

Variables	DistanceMM	sale_price	sale_date_in_numbers
House_Floor_area_sqm	0.1644	0.2103	0.0257
Bedrooms	0.1473	0.2440	0.0235
Bathrooms	0.1231	0.2073	0.0205
Car_Spaces	0.0894	0.2187	0.0687
DistanceMM	1.0000	0.1765	0.0073
sale_price	0.1765	1.0000	0.4521
sale_date_in_numbers	0.0073	0.4521	1.0000

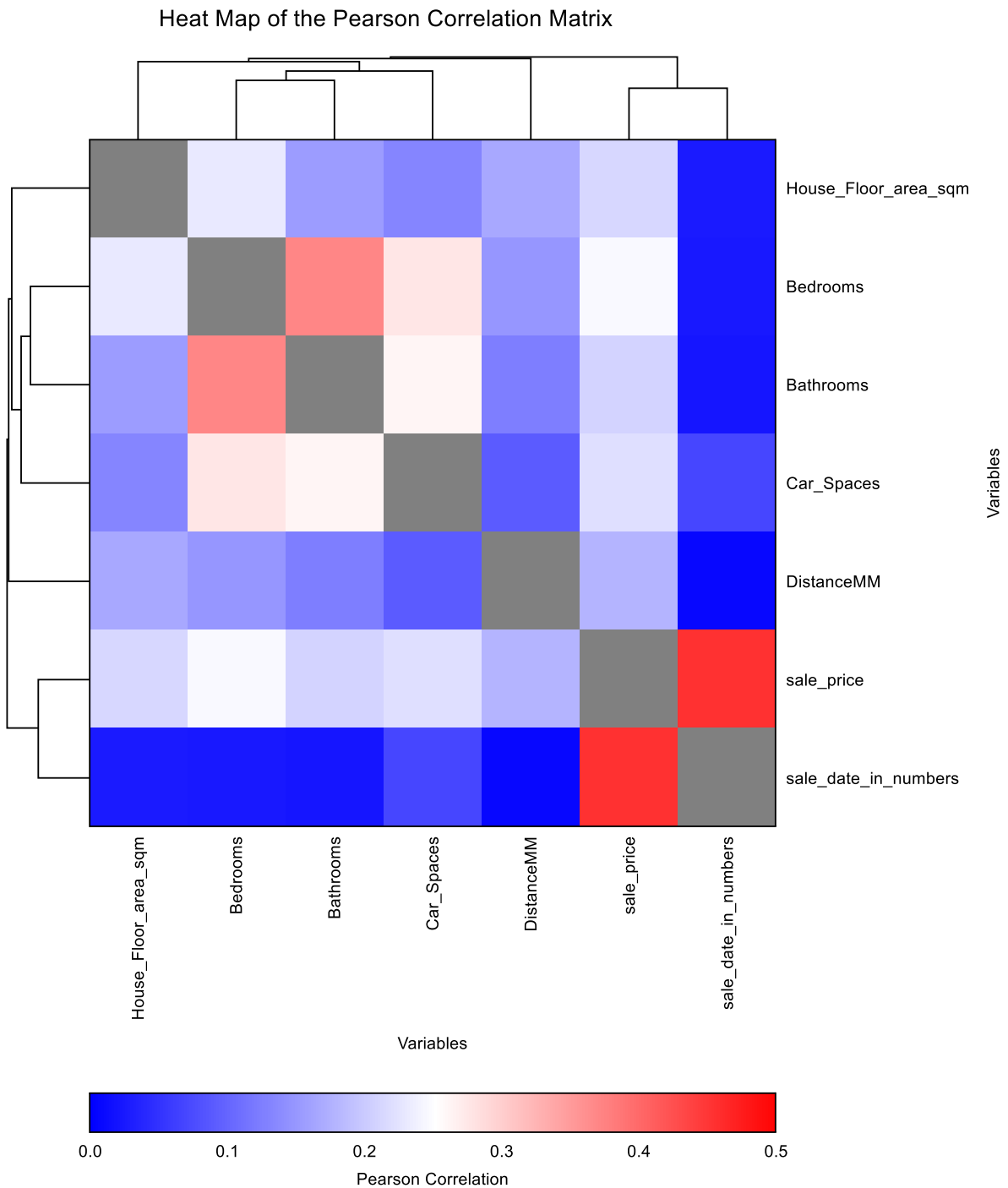
#### Coefficient Alpha

Cronbach's Alpha	0.0312
Standardized Cronbach's Alpha	0.5910

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### Heat Map of the Pearson Correlation Matrix

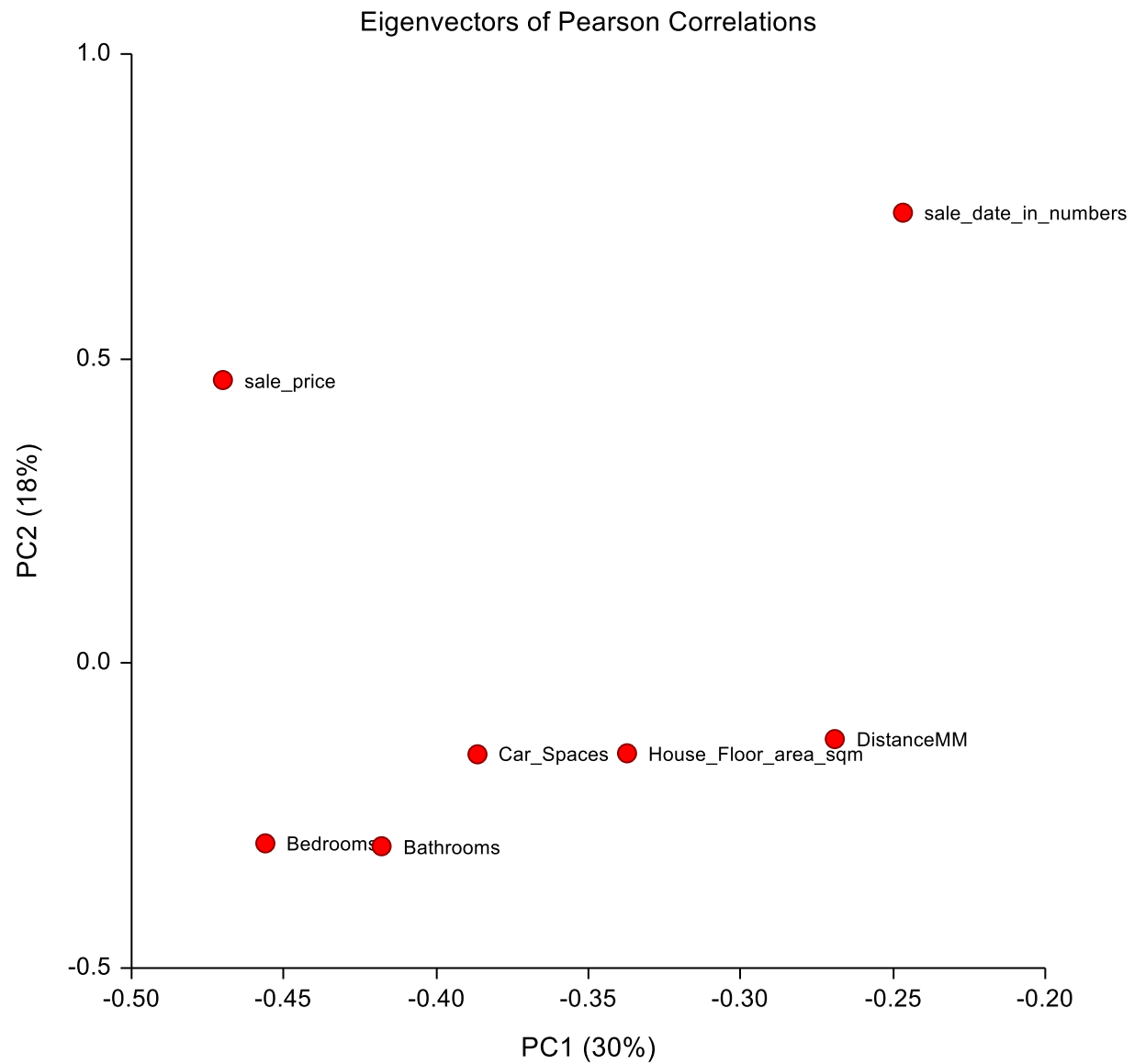


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**Pearson Eigenvectors Plot(s)**

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### Procedure Input Settings

#### Autosaved Template File

C:\Users\Dr\_Ia\Documents\NCSS 2022\Procedure Templates\Autosave\Correlation Matrix - Autosaved 2023\_4\_11-17\_16\_44.t431

#### Variables Tab

-- Data Variables -----

Correlation Variables: House\_Floor\_area\_sqm, Bedrooms, Bathrooms,  
Car\_Spaces, DistanceMM, sale\_price,  
sale\_date\_in\_numbers

Partial Variables: <Empty>

-- Missing Values -----

Missing Value Removal: Row-Wise

#### Reports Tab

-- Select Reports -----

-- Correlation Matrices -----

Show Individual Tables	Checked
Pearson Correlations	Checked
Spearman Correlations	Unchecked
Difference	Unchecked
Pearson Correlations	Unchecked
Spearman Correlations	Unchecked
Squared Pearson Correlations	Unchecked
Squared Spearman Correlations	Unchecked
Count	Unchecked
Show Combined Table	Unchecked

-- Cronbach's Alpha -----

Add Cronbach's Alpha beneath the Pearson Correlation matrix Checked

#### Report Options Tab

-- Report Options -----

Precision:	Single
Max Distance Items:	1000
Max Linkage Clusters Reported:	20

-- Decimal Places -----

Correlation:	4
P-Value:	4
Cronbachs Alpha:	4
Eigenvalues:	6
Eigenvectors:	4
Percentages:	2

-- Table Formatting -----

Column Justification:	Right
Column Widths:	Autosize to Minimum Widths
Wrap Column Headings onto Two Lines	Checked

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### Procedure Input Settings (Continued)

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#### Heat Maps Tab

-- Clustering Options -----	
Max Clusters:	3
Clustering Method:	Group Average (Unweighted Pair-Group)
-- Heat Maps -----	
.. Diagonal Elements .....	
Diagonal Elements:	Set as missing
.. Select Heat Maps and Specify Their Format .....	
Pearson Correlations	Checked
Spearman Correlations	Unchecked
Pearson Correlations	Unchecked
Spearman Correlations	Unchecked
Squared Pearson Correlations	Unchecked
Squared Spearman Correlations	Unchecked
.. Cluster Analysis Reports for each Selected Heat Map .....	
Cluster Report	Unchecked
Linkage Report	Unchecked
Distance Report	Unchecked

#### Eigenvectors Tab

-- Eigenvector (Principal Component) Plots and Reports -----	
.. General Options .....	
Number of Eigenvectors:	2
Eigenvector Label:	PC
.. Eigenvector Plots .....	
Pearson Eigenvector Plot(s)	Checked
Spearman Eigenvector Plot(s)	Unchecked
Show the eigenvalue percentage in the eigenvector labels	Checked
.. Eigenvalue and Eigenvector Reports .....	
Eigenvalues and Eigenvectors of the Pearson Correlations (Includes Bartlett's Sphericity Test)	Unchecked
Eigenvalues and Eigenvectors of the Spearman Correlation matrix	Unchecked

#### Storage Tab

-- Select Items to Store with the Dataset -----	
Pearson Correlation Matrix	Unchecked
Spearman Correlation Matrix	Unchecked

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**Procedure Input Settings (Continued)**

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**Storage Tab (Continued)**

.. Storage Options .....	
Storage Location:	In empty column(s) after the last column with data
Skip one or more columns before item storage	Unchecked
Rename the storage column(s) using the item name(s)	Checked
Add a Note about each stored item in the Column Info table	Checked

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