RANDOM FOREST REGRESSION - BASELINE

RESULTS

```
--- Test Set ---
Mean Absolute Error: ... 8.48671
Mean Squared Error:..... 135.02371
RMSE: .................. 11.61997
Coeff of det (R^2):..... 0.61531   < - - - you care about this

--- Val Set ---
Mean Absolute Error: ... 7.62777
Mean Squared Error:..... 114.24910
RMSE: .................. 10.68874
Coeff of det (R^2):..... 0.71273   < - - - you care about this

--- Train Set ---
Mean Absolute Error: ... 5.78006
Mean Squared Error:..... 62.79552
RMSE: .................. 7.92436
Coeff of det (R^2):..... 0.78741   < - - - you care about this

--- Combined Test Set ---
Mean Absolute Error: ... 8.10915
Mean Squared Error:..... 125.89201
RMSE: .................. 11.22016
Coeff of det (R^2):..... 0.66147   < - - - you care about this
```

	Resale Transaction Data Only
Target	Price per sq Meter per Lease Year
Categorical Features	Town and Flat Type
Removed Features with High VIF	Yes
Number of Features Used	35
R^2 Train	0.787
Test	0.615
Validate	0.713
MSE Train	62.796
Test	135.024
Validate	114.249

FEATURES

```
'storey_range_min',
'storey_range_max',
'n_rooms',
'town_bedok',
'town_bishan',
'town_bukit_batok',
'town_bukit_merah',
'town_bukit_panjang',
'town_bukit_timah',
'town_central_area',
'town_choa_chu_kang',
'town_clementi',
'town_geylang',
'town_hougang',
'town_jurong_east',
'town_jurong_west',
'town_kallang_whampoa',
'town_lim_chu_kang',
'town_marine_parade',
'town_pasir_ris',
'town_punggol',
'town_queenstown',
'town_sembawang',
'town_sengkang',
'town_serangoon',
'town_tampines',
'town_toa_payoh',
'town_woodlands',
'town_yishun',
'flat_type_2_room',
'flat_type_3_room',
'flat_type_4_room',
'flat_type_5_room',
'flat_type_executive',
'flat_type_multi_generation'
```