

template

Author

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Cover_type I

Cover_Type

1 2160

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dtype: int64

shape

(15120, 55)

dtypes I

Elevation int64

Aspect int64

Slope int64

Horizontal_Distance_To_Hydrology int64

Vertical_Distance_To_Hydrology int64

Horizontal_Distance_To_Roadways int64

Hillshade_9am int64

Hillshade_Noon int64

Hillshade_3pm int64

Horizontal_Distance_To_Fire_Points int64

dtypes II

dtype: object

skew l

Elevation 0.075640

Aspect 0.450935

Slope 0.523658

Horizontal_Distance_To_Hydrology 1.488052

Vertical_Distance_To_Hydrology 1.537776

Horizontal_Distance_To_Roadways 1.247811

Hillshade_9am -1.093681

Hillshade_Noon -0.953232

Hillshade_3pm -0.340827

Horizontal_Distance_To_Fire_Points 1.617099

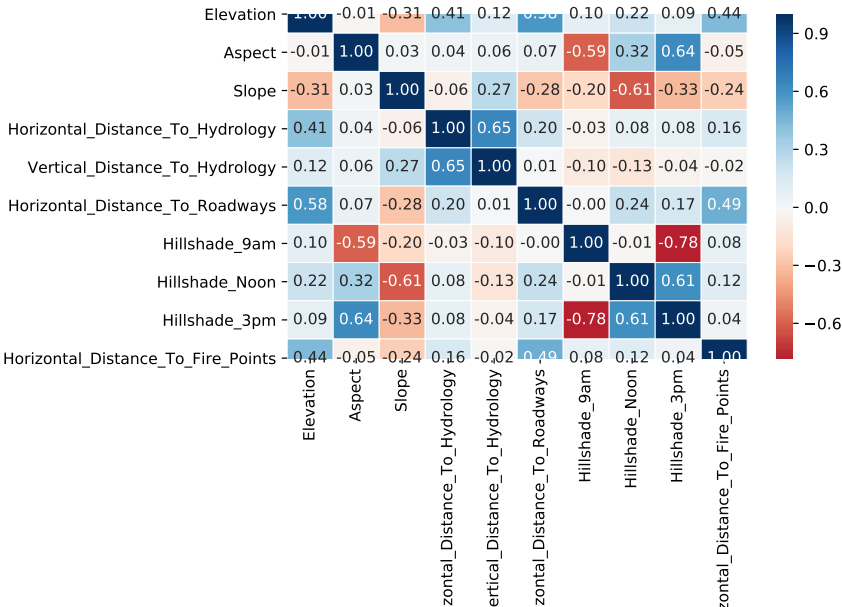
skew II

dtype: float64

description l

	Elevation	Aspect	Slope	Horizontal_Distance	Vertical_Distance	Horizontal_Distance	Vertical_Distance	Horizontal_Distance	Vertical_Distance	Horizontal_Distance	Vertical_Distance
count	15120	15120	15120	15120	15120	15120	15120	15120	15120	15120	15120
mean	2749.32	256.68	16.5	227.2	51.08	1714.02	212.7	218.97	135.09	1511.15	1511.15
std	417.68	110.09	9.45	210.08	61.24	1325.07	30.56	22.8	45.9	1099.94	1099.94
min	1863	0	0	0	-146	0	0	99	0	0	0
25%	2376	65	10	67	5	764	196	207	106	730	730
50%	2752	126	15	180	32	1316	220	223	138	1256	1256
75%	3104	261	22	330	79	2270	235	235	167	1988.25	1988.25
max	3849	360	52	1343	554	6890	254	254	248	6993	6993

Corr



select_method

```
1 def drop_by_cor(feature_df, threshold=0.9):  
2     corr_matrix = feature_df.corr().abs()  
3     upper = corr_matrix.where(np.triu(np.ones(corr_matrix.shape),  
4         k=1).astype(np.bool))  
5     to_drop = [column for column in upper.columns if  
6         any(upper[column] > threshold)]  
7     return to_drop
```

features_remain_with_thres_as_70 |

9 Slope, Hillshade_9am, Horizontal_Distance_To_Hydrology,
Horizontal_Distance_To_Roadways, Aspect, Hillshade_Noon,
Horizontal_Distance_To_Fire_Points, Elevation, Vertical_Distance_To_Hydrology