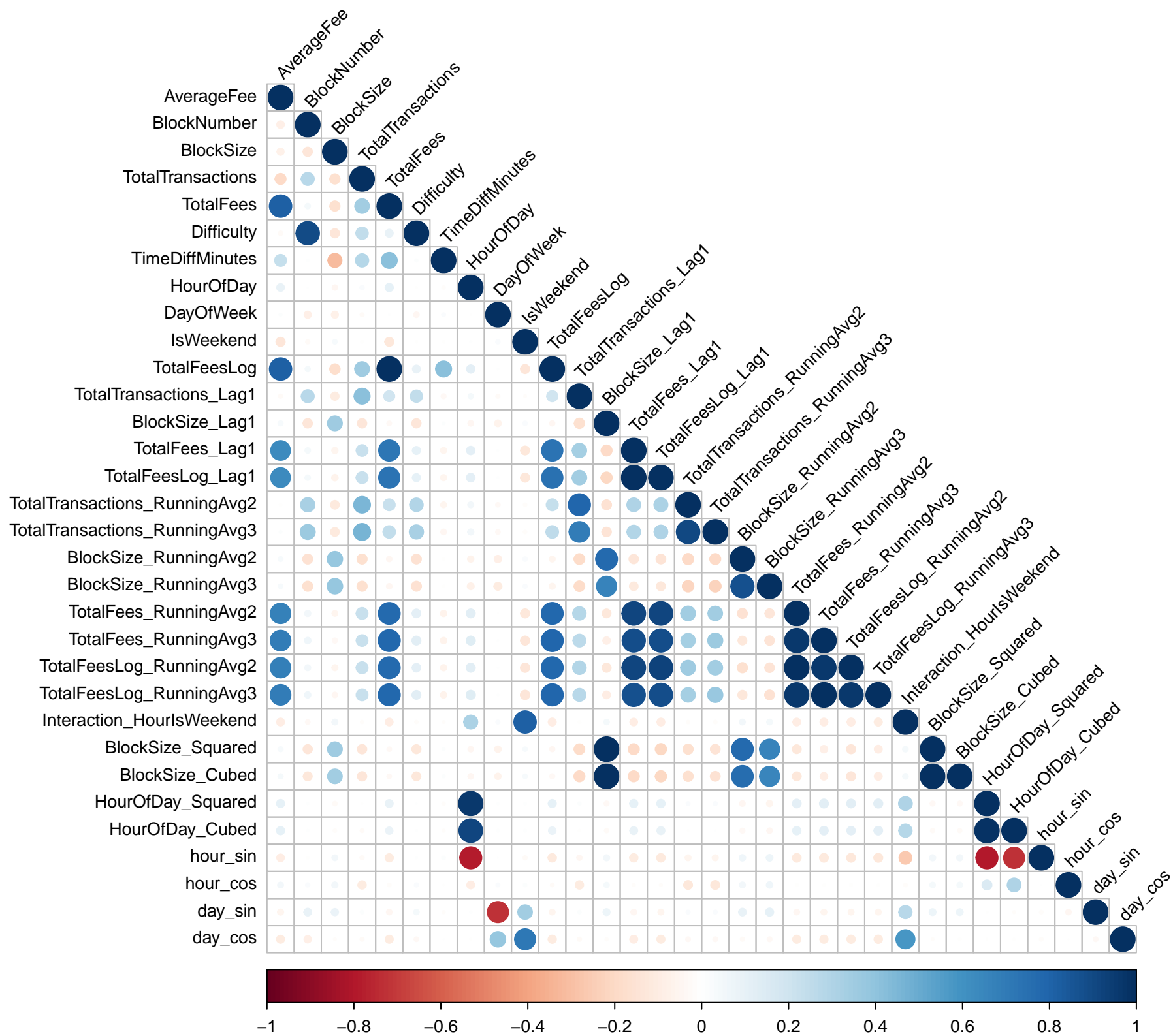
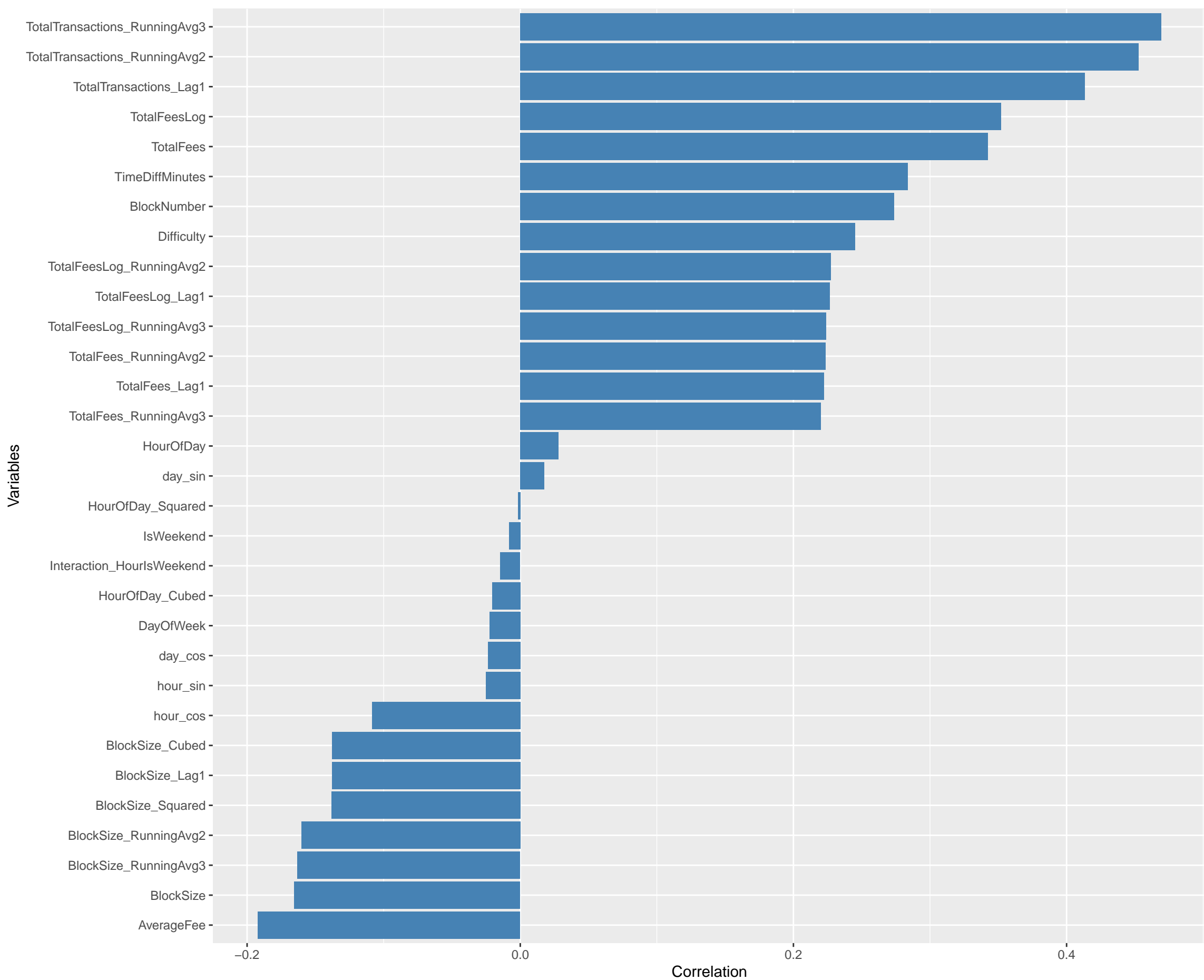


Correlation Matrix



Correlation with TotalTransactions



PCA Summary

Importance of components:

	PC1	PC2	PC3	PC4	PC5	PC6	PC7
Standard deviation	2.929	2.1443	1.9315	1.68137	1.51629	1.33764	1.32384
Proportion of Variance	0.268	0.1437	0.1166	0.08834	0.07185	0.05592	0.05477
Cumulative Proportion	0.268	0.4117	0.5283	0.61663	0.68848	0.74439	0.79916
	PC8	PC9	PC10	PC11	PC12	PC13	PC14
Standard deviation	1.19774	0.99879	0.87736	0.80650	0.7611	0.59735	0.56477
Proportion of Variance	0.04483	0.03117	0.02406	0.02033	0.0181	0.01115	0.00997
Cumulative Proportion	0.84399	0.87517	0.89922	0.91955	0.9376	0.94880	0.95877
	PC15	PC16	PC17	PC18	PC19	PC20	PC21
Standard deviation	0.52438	0.45325	0.43385	0.39015	0.34292	0.32663	0.31180
Proportion of Variance	0.00859	0.00642	0.00588	0.00476	0.00367	0.00333	0.00304
Cumulative Proportion	0.96736	0.97378	0.97966	0.98442	0.98809	0.99143	0.99446
	PC22	PC23	PC24	PC25	PC26	PC27	PC28
Standard deviation	0.29144	0.19486	0.18624	0.08676	0.07397	0.06863	0.03411
Proportion of Variance	0.00265	0.00119	0.00108	0.00024	0.00017	0.00015	0.00004
Cumulative Proportion	0.99712	0.99831	0.99939	0.99962	0.99980	0.99994	0.99998
	PC29	PC30	PC31	PC32			
Standard deviation	0.02248	0.01172	0.005268	0.002592			
Proportion of Variance	0.00002	0.00000	0.000000	0.000000			
Cumulative Proportion	0.99999	1.00000	1.000000	1.000000			

Decision Suggestions

Decision Suggestions based on Correlation Analysis

1. **Features with High Correlation**:

Consider using the following features in your model as they show a significant correlation with the target variable:

- TotalTransactions_RunningAvg3
- TotalTransactions_RunningAvg2
 - TotalTransactions_Lag1
 - TotalFeesLog
 - TotalFees

2. **Features with Moderate Correlation**:

Consider using the following features with caution, as they show moderate correlation with the target variable:

- TimeDiffMinutes
- BlockNumber
 - Difficulty
- TotalFeesLog_RunningAvg2
 - TotalFeesLog_Lag1
- TotalFeesLog_RunningAvg3
 - TotalFees_RunningAvg2
 - TotalFees_Lag1
- TotalFees_RunningAvg3
 - hour_cos
- BlockSize_Cubed
 - BlockSize_Lag1
- BlockSize_Squared
- BlockSize_RunningAvg2
- BlockSize_RunningAvg3
 - BlockSize
 - AverageFee

Decision Suggestions based on PCA Analysis

3. **Principal Components**:

Consider the principal components that explain the majority of the variance. Use these components to reduce dimensionality if needed.