|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameters | ADL- intra- IC versus ADL-Intra | | | ADL- intra- EWC versus ADL-Intra | | | ADL- OWN- IC versus ADL-OWN | | | ADL- OWN- EWC versus ADL-OWN | | |
| MAPE | SMAPE | MASE | MAPE | SMAPE | MASE | MAPE | SMAPE | MASE | MAPE | SMAPE | MASE |
| Intercept | -0.038 | -0.009 | -0.008 | 0.037\* | 0.041\*\* | 0.045\*\* | -0.051 | -0.034 | -0.044 | 0.013 | 0.015 | 0.012 |
| price\_mean | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.001 | 0.002 | 0.001 | 0.000 | 0.001 |
| price\_std | -0.040 | -0.028 | -0.024 | -0.035\*\* | -0.033\*\* | -0.036\*\* | -0.025 | -0.026 | -0.023 | -0.038\*\* | -0.038\*\* | -0.043\*\* |
| price\_SKEWNESS | 0.009\* | 0.005 | 0.002 | -0.002 | -0.001 | -0.002 | 0.010\* | 0.007 | 0.002 | -0.004\*\* | -0.002 | -0.003\* |
| price\_range | 0.003 | 0.007 | 0.004 | 0.007 | 0.008\*\* | 0.008\*\* | -0.002 | 0.005 | 0.001 | 0.006 | 0.008\* | 0.009\* |
| price\_KURTOSIS | 0.000 | 0.000 | -0.001 | -0.001\*\*\* | 0.000\*\* | -0.001\*\* | 0.000 | 0.000 | 0.000 | -0.001\*\*\* | 0.000\* | 0.000\* |
| price\_c\_v | 0.031 | -0.183 | -0.170 | -0.012 | -0.044 | -0.025 | 0.170 | 0.055 | 0.152 | 0.122 | 0.112 | 0.141 |
| sales\_mean | 0.000 | 0.000 | 0.000 | 0.000 | 0.000\* | 0.000 | 0.000\*\* | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| sales\_std | -0.001 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | -0.001 | -0.001 | -0.001 | 0.000 | 0.000 | 0.000 |
| sales\_SKEWNESS | 0.035 | 0.016 | 0.041\* | -0.004 | -0.004 | -0.005 | 0.025 | 0.010 | 0.033 | -0.004 | -0.005 | -0.002 |
| sales\_range | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000\* | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| sales\_KURTOSIS | -0.004 | -0.001 | -0.004 | 0.001 | 0.001 | 0.001 | -0.003 | 0.000 | -0.003 | 0.000 | 0.000 | 0.000 |
| sales\_c\_v | -0.086\*\* | -0.062 | -0.096\* | -0.021 | -0.017 | -0.025 | -0.084\*\* | -0.055\*\* | -0.074\*\* | 0.011 | 0.011 | 0.011 |
| d\_freq | 0.016 | 0.066 | 0.090 | 0.119 | 0.110 | 0.136 | -0.002 | 0.040 | -0.004 | 0.026 | 0.017 | 0.002 |
| f\_freq | 0.178 | 0.152 | 0.163 | 0.038 | 0.004 | 0.008 | 0.007 | 0.005 | 0.110 | -0.003 | -0.011 | 0.022 |
| outliers\_pct | -0.673\* | -0.589\* | -0.92\*\* | -0.192 | -0.149 | -0.222\* | -0.552 | -0.546 | -0.969\*\* | -0.26\*\* | -0.199\* | -0.302\*\* |
| randomness | -0.008 | 0.021 | 0.009 | 0.069\*\* | 0.069\*\* | 0.069\* | -0.007 | 0.026 | -0.009 | 0.032 | 0.037\* | 0.033 |
| linear\_trend | 0.129\*\*\* | 0.054\*\* | 0.072\*\*\* | 0.025\*\* | 0.008 | 0.017 | 0.126\*\*\* | 0.047\* | 0.074\*\* | 0.024\*\* | 0.007 | 0.012 |
| category\_beer | 0.081\* | 0.056 | 0.049 | -0.020 | -0.03\* | -0.025 | 0.079 | 0.069 | 0.070 | -0.004 | -0.014 | -0.006 |
| category\_blades | 0.047 | 0.022 | 0.033 | -0.04\* | -0.052\*\* | -0.048\* | 0.060 | 0.035 | 0.058 | -0.022 | -0.034 | -0.025 |
| category\_carbbev | -0.076 | -0.077 | -0.118 | -0.145\*\* | -0.129\*\* | -0.163\* | -0.024 | -0.016 | -0.070 | -0.064\*\*\* | -0.052\*\* | -0.067\*\* |
| category\_cigets | 0.004 | 0.038 | 0.031 | -0.028 | -0.036\* | -0.031 | -0.004 | 0.036 | 0.023 | -0.035\* | -0.039\*\* | -0.037\*\* |
| category\_coffee | 0.111\*\* | 0.091\* | 0.106\*\* | -0.029 | -0.031\* | -0.030 | 0.116\* | 0.091 | 0.109\* | -0.037\* | -0.036\*\* | -0.034\* |
| category\_coldcer | 0.125\*\* | 0.108\* | 0.115\* | -0.027 | -0.020 | -0.007 | 0.145\*\* | 0.119\* | 0.109 | -0.039\* | -0.038\*\* | -0.04\* |
| category\_deod | 0.106\*\* | 0.057 | 0.059 | -0.009 | -0.019 | -0.016 | 0.113\*\* | 0.062 | 0.060 | -0.008 | -0.015 | -0.014 |
| category\_factiss | 0.015 | 0.015 | -0.013 | 0.007 | 0.002 | 0.000 | 0.028 | 0.022 | -0.011 | 0.027 | 0.017 | 0.012 |
| category\_fzdinen | 0.173\*\*\* | 0.080 | 0.132\* | 0.038 | 0.013 | 0.034 | 0.204\*\*\* | 0.098 | 0.157\*\* | 0.028 | -0.003 | 0.011 |
| category\_fzpizza | 0.005 | 0.044 | 0.037 | -0.038\*\* | -0.03\* | -0.032\* | -0.022 | 0.018 | 0.012 | -0.039\*\* | -0.032\* | -0.035\* |
| category\_hhclean | 0.091 | 0.052 | 0.056 | -0.001 | -0.015 | -0.019 | 0.114\* | 0.071 | 0.074 | 0.008 | -0.012 | -0.012 |
| category\_hotdog | -0.104 | -0.029 | -0.099 | -0.036 | -0.037 | -0.033 | -0.122 | -0.060 | -0.133 | -0.061\*\* | -0.062\*\*\* | -0.069\*\* |
| category\_laundet | 0.146\*\* | 0.123\*\* | 0.151\*\* | 0.037 | 0.015 | 0.027 | 0.144\*\* | 0.125\*\* | 0.137\*\* | 0.026 | 0.004 | 0.010 |
| category\_margbut | 0.077 | 0.056 | 0.053 | -0.025 | -0.026 | -0.025 | 0.058 | 0.037 | 0.034 | -0.026 | -0.029 | -0.028 |
| category\_mayo | 0.103 | 0.078 | 0.063 | -0.036\* | -0.049\*\* | -0.046\*\* | 0.121\* | 0.097 | 0.105 | -0.008 | -0.022 | -0.014 |
| category\_milk | 0.071 | 0.072 | 0.075 | -0.014 | -0.020 | -0.022 | 0.080 | 0.089 | 0.103 | -0.001 | -0.012 | -0.012 |
| category\_mustket | 0.109\*\* | 0.091\* | 0.086 | -0.008 | -0.027 | -0.017 | 0.104\* | 0.081 | 0.075 | -0.002 | -0.027 | -0.013 |
| category\_Paptowl | 0.487\*\*\* | 0.325\*\*\* | 0.478\*\*\* | -0.054 | -0.062 | -0.061 | 0.484\*\*\* | 0.312\*\*\* | 0.451\*\*\* | -0.091 | -0.100 | -0.107 |
| category\_peanbut | 0.002 | 0.034 | 0.026 | -0.049\* | -0.065\*\*\* | -0.062\*\* | 0.004 | 0.039 | 0.037 | -0.032 | -0.049\*\* | -0.044\* |
| category\_photo | 0.184\*\*\* | 0.142\*\* | 0.162\*\*\* | -0.006 | -0.018 | 0.000 | 0.197\*\*\* | 0.153\*\* | 0.179\*\* | 0.004 | -0.012 | 0.006 |
| category\_razors | -0.089 | -0.189 | -0.132 | 0.180 | 0.169 | 0.173 | -0.070 | -0.171 | -0.092 | 0.209 | 0.198 | 0.210 |
| category\_saltsnc | 0.109\*\* | 0.081\* | 0.109\*\* | 0.007 | 0.000 | 0.002 | 0.105\* | 0.077 | 0.106\* | 0.003 | -0.004 | -0.003 |
| category\_shamp | 0.068 | 0.031 | 0.032 | -0.034 | -0.045\* | -0.048\* | 0.094 | 0.037 | 0.058 | -0.031 | -0.048 | -0.042 |
| category\_soup | 0.15\*\*\* | 0.117\*\*\* | 0.097\* | 0.004 | -0.006 | 0.000 | 0.171\*\*\* | 0.125\*\* | 0.102\* | 0.004 | -0.007 | 0.000 |
| category\_spagsau | 0.127\*\* | 0.078 | 0.087\* | 0.056\*\* | 0.025 | 0.034 | 0.16\*\*\* | 0.107\* | 0.119\* | 0.062\*\* | 0.031 | 0.041 |
| category\_sugarsu | 0.093 | 0.064 | 0.077 | -0.017 | -0.024 | -0.019 | 0.113 | 0.078 | 0.091 | -0.017 | -0.022 | -0.018 |
| category\_toitisu | 0.212\*\* | 0.196\*\*\* | 0.213\*\* | -0.031 | -0.042 | -0.033 | 0.199\*\* | 0.193\*\*\* | 0.193\*\* | -0.038 | -0.044\*\* | -0.049\* |
| category\_toothbr | 0.000 | -0.003 | 0.004 | -0.036\* | -0.029 | -0.029 | 0.022 | 0.014 | 0.016 | -0.034\* | -0.025 | -0.026 |
| category\_toothpa | 0.085 | 0.074 | 0.072 | 0.012 | 0.001 | 0.003 | 0.121 | 0.114\* | 0.119 | -0.002 | -0.005 | -0.004 |