Critical Thinking Group 4 - HW5 - Wine

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Overview

The objective of this assignment is to predict the number of cases of wine that will be sold based on the properties of the wine. A count regression model will be used to predict wine sales.

Dataset

Wine - Training data Wine - Evaluation Data

Data Exploration

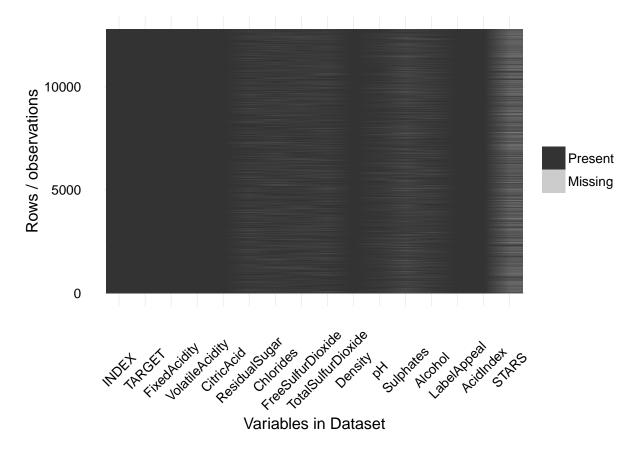
Looks like the INDEX column name need to be corrected.

Missing Data

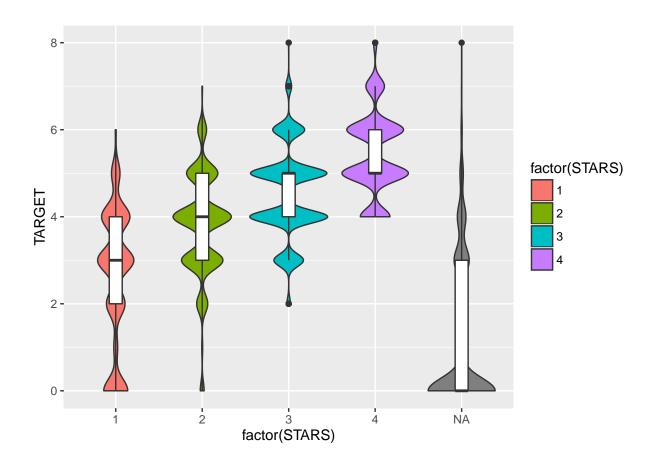
Eight of the variables have missing data.

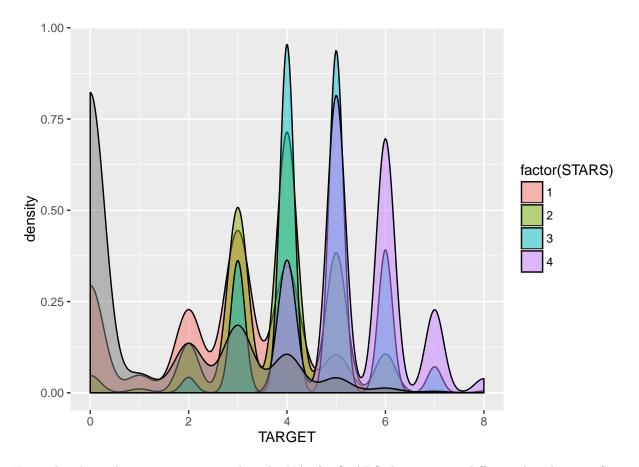
| ColName | NA_Count | NA_Percent |
|--------------------|----------|------------|
| ResidualSugar | 616 | 4.81 |
| Chlorides | 638 | 4.99 |
| FreeSulfurDioxide | 647 | 5.06 |
| TotalSulfurDioxide | 682 | 5.33 |
| рН | 395 | 3.09 |
| Sulphates | 1210 | 9.46 |
| Alcohol | 653 | 5.10 |
| STARS | 3359 | 26.25 |

Lets explore more on the missing values here:



Though there are lot of missing values, we could not see a definite pattern here, but we difinitely notice that there are highest number of missing values for STARS variable.

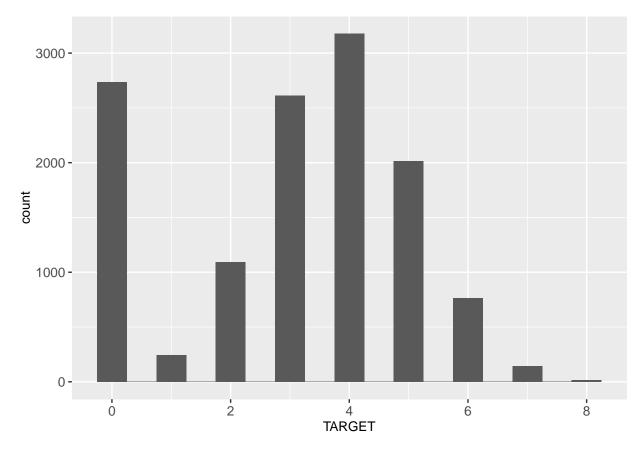




From the above diagrams, we notice that the NAs for STARS showing us a different distribution. So, we have to take care of this in the data preparation.

Data Distributions

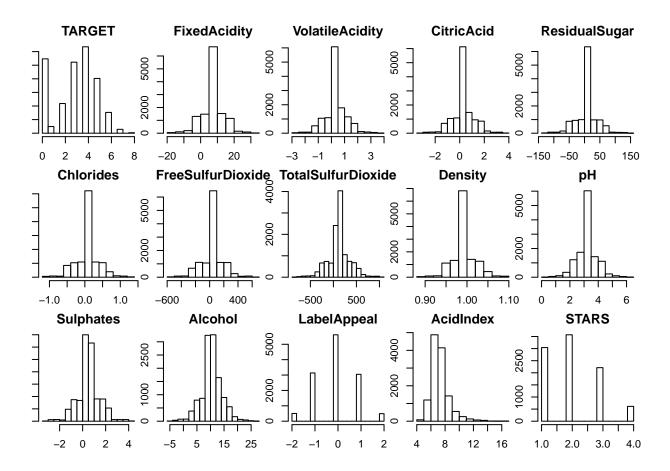
Lets check the overall distribution of the TAGET variable (which is a $count\ variable$ indicating the number of sample cases):

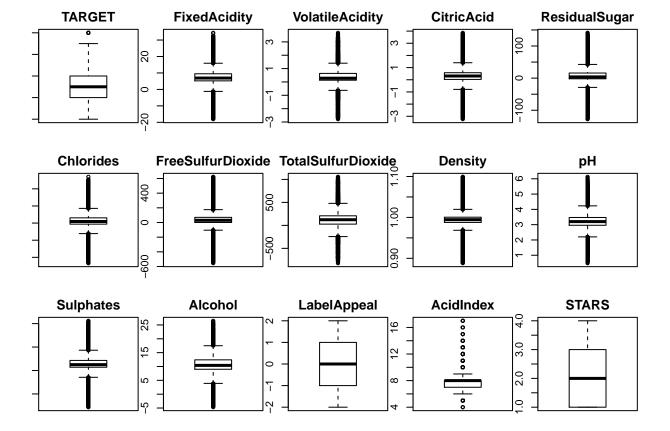


The above TARGET distribution has lot of ZERO values, which would indicate the no sample cases purchased, which could be due to NA values presence Or, some business reasons. But overall this appears close to Poisson distribution.

Lets check other variables distributions:

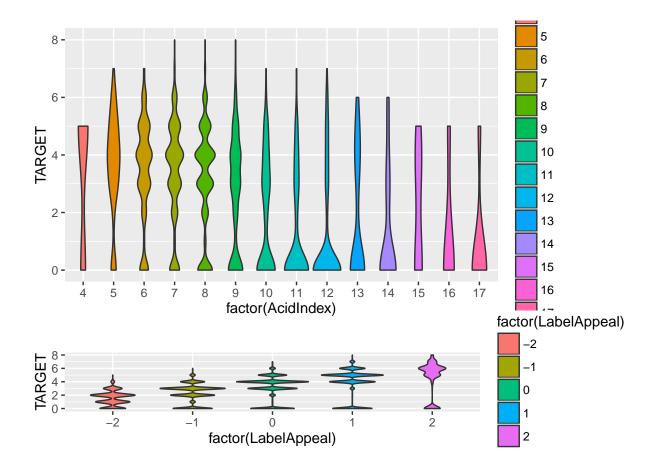
| ## | [1] | "INDEX" | "TARGET" | "FixedAcidity" |
|----|------|-------------------|---------------------|----------------------|
| ## | [4] | "VolatileAcidity" | "CitricAcid" | "ResidualSugar" |
| ## | [7] | "Chlorides" | "FreeSulfurDioxide" | "TotalSulfurDioxide" |
| ## | [10] | "Density" | "pH" | "Sulphates" |
| ## | [13] | "Alcohol" | "LabelAppeal" | "AcidIndex" |
| ## | [16] | "STARS" | | |





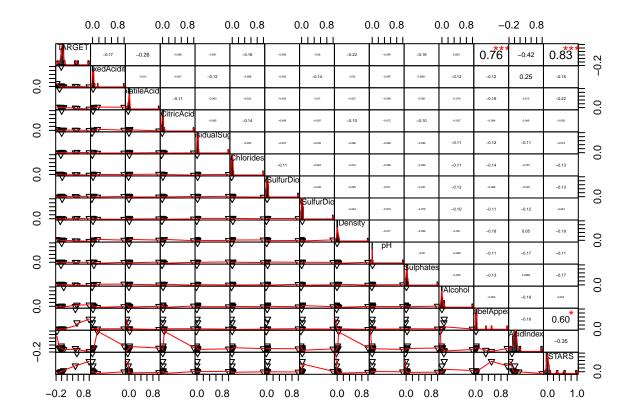
Majority of the variables appears to be numerical and normally distributed.Lets review the Ordinal variables here:

We have seen the STARS distribution previously in $Missing\ Data$ section, lets now review the $Acid\ Index$, and LabelAppeal, which can be treated as categorical similar to STARS:



Correlations

Lets visualize the correlation graph:



The above indicates the *STARS* and *LabelAppeal* are significant variables from correlation perspective. And *AcidIndex* and *VolatileAcidity* also got moderately correlated with the TARGET variable.

Data Preparation

Transform NAs

We will be modeling on 2 different dataframes. One with AcidIndex and LabelAppeal as numeric variables and the second one with factorized AcidIndex and LabelAppeal

Factorize

lets take complete cases only, as we have got sufficient number of observations after we took care of the NAs for STARS and Alcohol variables.

```
## Observations: 9,133
## Variables: 15
## $ TARGET
                        <int> 3, 5, 3, 0, 0, 6, 0, 3, 4, 0, 4, 5, 4, 3, 2...
## $ FixedAcidity
                        <dbl> 4.5, 7.1, 5.7, 11.3, 7.7, 5.5, -17.2, 6.0, ...
## $ VolatileAcidity
                        <dbl> 0.160, 2.640, 0.385, 0.320, 0.290, -0.220, ...
## $ CitricAcid
                        <dbl> -0.81, -0.88, 0.04, 0.59, -0.40, 0.39, 0.15...
                        <dbl> 26.10, 14.80, 18.80, 2.20, 21.50, 1.80, -33...
## $ ResidualSugar
## $ Chlorides
                        <dbl> -0.425, 0.037, -0.425, 0.556, 0.060, -0.277...
## $ FreeSulfurDioxide
                        <dbl> 15, 214, 22, -37, 287, 62, 551, 5, -49, 15,...
```

Multicollinearity

Lets check for Multicollinearity in the predictors:

| | sort(vifFit1.numeric, decreasing = T) |
|---|---|
| STARS1 | 0.8910983 |
| STARS2 | 0.8596886 |
| STARS3 | 0.6821156 |
| AcidIndex | 0.4697698 |
| LabelAppeal | 0.3788666 |
| FixedAcidity | 0.3423291 |
| STARS4 | 0.3376683 |
| VolatileAcidity | 0.3354500 |
| Alcohol | 0.3347811 |
| ${\bf Total Sulfur Dioxide}$ | 0.3345273 |
| Chlorides | 0.3343219 |
| ResidualSugar | 0.3340220 |
| рН | 0.3339136 |
| Sulphates | 0.3333092 |
| Density | 0.3330000 |
| FreeSulfurDioxide | 0.3321442 |
| CitricAcid | 0.3306037 |
| VolatileAcidity Alcohol TotalSulfurDioxide Chlorides ResidualSugar pH Sulphates Density FreeSulfurDioxide | 0.3354500 0.3347811 0.3345273 0.3343219 0.3340220 0.3339136 0.33330000 0.3321442 |

| | Multicolinearity score |
|---------------|------------------------|
| AcidIndex7 | 216.4659703 |
| AcidIndex8 | 201.6610282 |
| AcidIndex9 | 92.2911942 |
| AcidIndex6 | 77.1844205 |
| AcidIndex10 | 39.3035671 |
| AcidIndex11 | 19.5030397 |
| AcidIndex12 | 10.5988711 |
| AcidIndex5 | 5.5846113 |
| AcidIndex13 | 5.2930521 |
| AcidIndex14 | 4.5463148 |
| LabelAppeal0 | 4.2704399 |
| LabelAppeal-1 | 3.3390954 |
| LabelAppeal1 | 3.2363811 |
| AcidIndex17 | 1.5074415 |
| AcidIndex16 | 1.2042507 |
| AcidIndex15 | 1.1046126 |
| STARS1 | 0.8934462 |
| STARS2 | 0.8645223 |

| | Multicolinearity score |
|--------------------|------------------------|
| LabelAppeal2 | 0.8417245 |
| STARS3 | 0.6851982 |
| FixedAcidity | 0.3430885 |
| STARS4 | 0.3388301 |
| VolatileAcidity | 0.3361709 |
| TotalSulfurDioxide | 0.3355376 |
| Alcohol | 0.3353972 |
| ResidualSugar | 0.3353051 |
| Chlorides | 0.3347751 |
| рН | 0.3346397 |
| Sulphates | 0.3338405 |
| Density | 0.3331687 |
| FreeSulfurDioxide | 0.3319512 |
| CitricAcid | 0.3305677 |

Multicollinearity noticed for AcidIndex dummy variables AcidIndex values 6, 7, 8, 9, 10, 11, 12.

Lets try consolidating those rows and retry the vif again.

But there is no Multicollinearity noticed for any of the variables in wine.trn1.numeric.omit.na dataframe. There for we will keep all the variables for modelling.

| | Multicolinearity score |
|------------------------------|------------------------|
| AcidIndex5 | 10.1576511 |
| AcidIndex13 | 5.2928877 |
| AcidIndex14 | 4.5462571 |
| LabelAppeal0 | 4.2669710 |
| LabelAppeal-1 | 3.3370975 |
| LabelAppeal1 | 3.2315314 |
| AcidIndex17 | 1.5074156 |
| AcidIndex16 | 1.2042184 |
| AcidIndex15 | 1.1046116 |
| STARS1 | 0.8876861 |
| STARS2 | 0.8534218 |
| LabelAppeal2 | 0.8404632 |
| STARS3 | 0.6715474 |
| VolatileAcidity | 0.3363584 |
| FixedAcidity | 0.3359405 |
| Alcohol | 0.3348208 |
| ResidualSugar | 0.3344179 |
| ${\bf Total Sulfur Dioxide}$ | 0.3342609 |
| STARS4 | 0.3340824 |
| Chlorides | 0.3339860 |
| рН | 0.3332575 |
| Sulphates | 0.3327584 |
| FreeSulfurDioxide | 0.3318813 |
| Density | 0.3317041 |
| CitricAcid | 0.3299254 |

The above variables looks good enough to proceed with model building.

Split the dataset into training and test:

We will randomly split our dataset into training (80%) and test (20%).

```
set.seed(3)

s0 = sample(1:nrow(wine.trn1.numeric.omit.na), 0.8 * nrow(wine.trn1.numeric.omit.na))
wine.training0 = wine.trn1.numeric.omit.na[s0, ]
wine.test0 = wine.trn1.numeric.omit.na[-s0, ]

s = sample(1:nrow(wine.trn.omit.na), 0.8 * nrow(wine.trn.omit.na))
wine.training = wine.trn.omit.na[s, ]
wine.test = wine.trn.omit.na[-s, ]
```

Number of observations in training dataset is 7306

Number of observations in test dataset is 1827

Build Models

Poisson Model - Stepwise Backward

First, Include all variables and build the model. And then use the stepwise backward.

```
Estimate Std. Error z value Pr(>|z|)
##
## (Intercept)
                           0.25
                                       0.51
                                               0.49
                                                         0.62
                                              -1.75
                                                         0.08
## FixedAcidity
                           0.00
                                       0.00
## VolatileAcidity
                          -0.03
                                       0.01
                                              -3.31
                                                         0.00
                          -0.05
## Chlorides
                                       0.02
                                              -2.33
                                                         0.02
                           0.00
                                       0.00
                                               2.74
## FreeSulfurDioxide
                                                         0.01
## TotalSulfurDioxide
                           0.00
                                       0.00
                                               3.72
                                                        0.00
## Density
                          -0.58
                                       0.25
                                              -2.28
                                                         0.02
## Sulphates
                          -0.02
                                       0.01
                                              -2.29
                                                        0.02
## Alcohol
                                               1.45
                           0.00
                                       0.00
                                                        0.15
## LabelAppeal-1
                           0.24
                                       0.05
                                               4.88
                                                        0.00
## LabelAppeal0
                           0.42
                                       0.05
                                               8.84
                                                        0.00
                           0.55
                                              11.24
## LabelAppeal1
                                       0.05
                                                        0.00
## LabelAppeal2
                           0.68
                                              12.23
                                                        0.00
                                       0.06
## AcidIndex5
                           0.11
                                       0.45
                                              0.25
                                                         0.80
## AcidIndex13
                          -0.44
                                              -0.94
                                       0.47
                                                        0.35
## AcidIndex14
                          -0.20
                                       0.47
                                              -0.43
                                                        0.67
## AcidIndex15
                           0.11
                                       0.53
                                              0.21
                                                        0.83
                                              -0.08
## AcidIndex16
                         -12.73
                                     162.49
                                                        0.94
## AcidIndex17
                          -0.28
                                       0.63
                                              -0.44
                                                        0.66
## STARS1
                           0.79
                                       0.03
                                              30.48
                                                         0.00
## STARS2
                                       0.02
                                              46.37
                                                         0.00
                           1.12
## STARS3
                           1.24
                                       0.03
                                              49.06
                                                         0.00
## STARS4
                           1.37
                                       0.03
                                              42.43
                                                         0.00
```

```
## TARGET ~ FixedAcidity + VolatileAcidity + Chlorides + FreeSulfurDioxide +
## TotalSulfurDioxide + Density + Sulphates + Alcohol + LabelAppeal +
## AcidIndex + STARS
```

```
##
                      Estimate Std. Error z value Pr(>|z|)
## (Intercept)
                          1.21
                                      0.26
                                              4.69
                                                        0.00
## VolatileAcidity
                          -0.03
                                             -3.61
                                      0.01
                                                        0.00
## Chlorides
                         -0.04
                                             -1.96
                                                        0.05
                                      0.02
## FreeSulfurDioxide
                          0.00
                                      0.00
                                              2.03
                                                        0.04
## TotalSulfurDioxide
                          0.00
                                      0.00
                                              3.27
                                                        0.00
## Density
                          -0.40
                                      0.26
                                             -1.57
                                                        0.12
## Sulphates
                          -0.01
                                             -1.87
                                                        0.06
                                      0.01
## LabelAppeal
                          0.16
                                      0.01
                                             19.69
                                                        0.00
## AcidIndex
                                                        0.00
                         -0.08
                                      0.01
                                            -12.97
## STARS1
                          0.78
                                      0.03
                                             29.98
                                                        0.00
## STARS2
                           1.09
                                      0.02
                                             45.04
                                                        0.00
## STARS3
                          1.21
                                      0.03
                                             47.68
                                                        0.00
## STARS4
                           1.33
                                             40.74
                                                        0.00
                                      0.03
```

TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
Density + Sulphates + LabelAppeal + AcidIndex + STARS

| ## | | Estimate | Std. | Error | z | value | Pr(> z) |
|----|----------------------------|----------|------|--------|---|-------|----------|
| ## | (Intercept) | 0.25 | | 0.51 | | 0.49 | 0.62 |
| ## | FixedAcidity | 0.00 | | 0.00 | | -1.75 | 0.08 |
| ## | VolatileAcidity | -0.03 | | 0.01 | | -3.31 | 0.00 |
| ## | Chlorides | -0.05 | | 0.02 | | -2.33 | 0.02 |
| ## | FreeSulfurDioxide | 0.00 | | 0.00 | | 2.74 | 0.01 |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | | 0.00 | | 3.72 | 0.00 |
| ## | Density | -0.58 | | 0.25 | | -2.28 | 0.02 |
| ## | Sulphates | -0.02 | | 0.01 | | -2.29 | 0.02 |
| ## | Alcohol | 0.00 | | 0.00 | | 1.45 | 0.15 |
| ## | LabelAppeal-1 | 0.24 | | 0.05 | | 4.88 | 0.00 |
| ## | LabelAppeal0 | 0.42 | | 0.05 | | 8.84 | 0.00 |
| ## | LabelAppeal1 | 0.55 | | 0.05 | | 11.24 | 0.00 |
| ## | LabelAppeal2 | 0.68 | | 0.06 | | 12.23 | 0.00 |
| ## | AcidIndex5 | 0.11 | | 0.45 | | 0.25 | 0.80 |
| ## | AcidIndex13 | -0.44 | | 0.47 | | -0.94 | 0.35 |
| ## | AcidIndex14 | -0.20 | | 0.47 | | -0.43 | 0.67 |
| ## | AcidIndex15 | 0.11 | | 0.53 | | 0.21 | 0.83 |
| ## | AcidIndex16 | -12.73 | 1 | 162.49 | | -0.08 | 0.94 |
| ## | AcidIndex17 | -0.28 | | 0.63 | | -0.44 | 0.66 |
| ## | STARS1 | 0.79 | | 0.03 | | 30.48 | 0.00 |
| ## | STARS2 | 1.12 | | 0.02 | | 46.37 | 0.00 |
| ## | STARS3 | 1.24 | | 0.03 | | 49.06 | 0.00 |
| ## | STARS4 | 1.37 | | 0.03 | | 42.43 | 0.00 |

```
## TARGET ~ FixedAcidity + VolatileAcidity + Chlorides + FreeSulfurDioxide +
## TotalSulfurDioxide + Density + Sulphates + Alcohol + LabelAppeal +
## AcidIndex + STARS
```

We can notice that STARS, LableAppeal, AcidIndex, VolatileAcidity and TotalSulfurDioxide are the significant variables.

For example, for each one-unit increase in VolatileAcidity, the expected log count of the number of sample units sold is decreases by 0.03.

The factor variable shown as STARS4 is the expected difference in log count between group 4 and the reference group zero (/NA).

Lets check if there is overdispersion (c-hat, to check if mean exceeding the variance) here, (Residual Deviance)/(Residual df). (If c-hat is 1, then no overdispersion occur)

c-hat for overdispersion check is 1.0730764

Poisson Model - Stepwise Forward

| ## | | Estimate | Std. Error | z value | Pr(> z) |
|----|----------------------------|----------|------------|---------|----------|
| ## | (Intercept) | 0.25 | 0.51 | 0.49 | 0.62 |
| ## | STARS1 | 0.79 | 0.03 | 30.48 | 0.00 |
| ## | STARS2 | 1.12 | 0.02 | 46.37 | 0.00 |
| ## | STARS3 | 1.24 | 0.03 | 49.06 | 0.00 |
| ## | STARS4 | 1.37 | 0.03 | 42.43 | 0.00 |
| ## | LabelAppeal-1 | 0.24 | 0.05 | 4.88 | 0.00 |
| ## | LabelAppeal0 | 0.42 | 0.05 | 8.84 | 0.00 |
| ## | LabelAppeal1 | 0.55 | 0.05 | 11.24 | 0.00 |
| ## | LabelAppeal2 | 0.68 | 0.06 | 12.23 | 0.00 |
| ## | AcidIndex5 | 0.11 | 0.45 | 0.25 | 0.80 |
| ## | AcidIndex13 | -0.44 | 0.47 | -0.94 | 0.35 |
| ## | AcidIndex14 | -0.20 | 0.47 | -0.43 | 0.67 |
| ## | AcidIndex15 | 0.11 | 0.53 | 0.21 | 0.83 |
| ## | AcidIndex16 | -12.73 | 162.49 | -0.08 | 0.94 |
| ## | AcidIndex17 | -0.28 | 0.63 | -0.44 | 0.66 |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | 0.00 | 3.72 | 0.00 |
| ## | VolatileAcidity | -0.03 | 0.01 | -3.31 | 0.00 |
| ## | FreeSulfurDioxide | 0.00 | 0.00 | 2.74 | 0.01 |
| ## | Chlorides | -0.05 | 0.02 | -2.33 | 0.02 |
| ## | Sulphates | -0.02 | 0.01 | -2.29 | 0.02 |
| ## | Density | -0.58 | 0.25 | -2.28 | 0.02 |
| ## | FixedAcidity | 0.00 | 0.00 | -1.75 | 0.08 |
| ## | Alcohol | 0.00 | 0.00 | 1.45 | 0.15 |
| | | | | | |

```
## TARGET ~ STARS + LabelAppeal + AcidIndex + TotalSulfurDioxide +
## VolatileAcidity + FreeSulfurDioxide + Chlorides + Sulphates +
## Density + FixedAcidity + Alcohol
```

c-hat for overdispersion check is 1.0730764

We notice the very similar results here. (Similar to Stepwise Backward), Hence the same interpretation applies here.

Poisson Model - Manual

Lets include only significant predictors noticed from the data exploration section.

| ## | | Estimate | Std. Error | z value | Pr(> z) |
|----|----------------------------|----------|------------|---------|----------|
| ## | (Intercept) | 0.28 | 0.51 | 0.55 | 0.58 |
| ## | VolatileAcidity | -0.03 | 0.01 | -3.30 | 0.00 |
| ## | Chlorides | -0.05 | 0.02 | -2.38 | 0.02 |
| ## | FreeSulfurDioxide | 0.00 | 0.00 | 2.67 | 0.01 |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | 0.00 | 3.78 | 0.00 |
| ## | Density | -0.59 | 0.25 | -2.31 | 0.02 |
| ## | Sulphates | -0.02 | 0.01 | -2.36 | 0.02 |

```
## LabelAppeal-1
                           0.24
                                       0.05
                                               4.89
                                                         0.00
## LabelAppeal0
                           0.42
                                       0.05
                                               8.85
                                                         0.00
## LabelAppeal1
                           0.55
                                       0.05
                                              11.23
                                                         0.00
## LabelAppeal2
                           0.68
                                       0.06
                                              12.22
                                                         0.00
## AcidIndex5
                           0.10
                                       0.45
                                               0.22
                                                         0.82
## AcidIndex13
                          -0.46
                                              -0.99
                                                         0.32
                                       0.47
## AcidIndex14
                          -0.23
                                       0.47
                                              -0.48
                                                         0.63
                                               0.16
## AcidIndex15
                           0.09
                                       0.53
                                                         0.87
## AcidIndex16
                         -12.78
                                    162.36
                                              -0.08
                                                         0.94
## AcidIndex17
                          -0.31
                                       0.63
                                              -0.49
                                                         0.63
## STARS1
                           0.79
                                       0.03
                                              30.53
                                                         0.00
## STARS2
                           1.12
                                       0.02
                                              46.47
                                                         0.00
## STARS3
                           1.25
                                       0.03
                                              49.23
                                                         0.00
## STARS4
                           1.38
                                                         0.00
                                       0.03
                                              42.62
```

TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
Density + Sulphates + LabelAppeal + AcidIndex + STARS

| ## | | Estimate | Std. | Error | z value | Pr(> z) |
|----|-----------------|----------|------|--------|---------|----------|
| ## | (Intercept) | -0.32 | | 0.45 | -0.71 | 0.48 |
| ## | STARS1 | 0.80 | | 0.03 | 30.71 | 0.00 |
| ## | STARS2 | 1.13 | | 0.02 | 46.63 | 0.00 |
| ## | STARS3 | 1.25 | | 0.03 | 49.57 | 0.00 |
| ## | STARS4 | 1.38 | | 0.03 | 42.82 | 0.00 |
| ## | LabelAppeal-1 | 0.24 | | 0.05 | 4.93 | 0.00 |
| ## | LabelAppeal0 | 0.43 | | 0.05 | 8.91 | 0.00 |
| ## | LabelAppeal1 | 0.55 | | 0.05 | 11.28 | 0.00 |
| ## | LabelAppeal2 | 0.68 | | 0.06 | 12.22 | 0.00 |
| ## | AcidIndex5 | 0.12 | | 0.45 | 0.26 | 0.80 |
| ## | AcidIndex13 | -0.46 | | 0.47 | -0.97 | 0.33 |
| ## | AcidIndex14 | -0.22 | | 0.47 | -0.47 | 0.64 |
| ## | AcidIndex15 | 0.12 | | 0.53 | 0.23 | 0.82 |
| ## | AcidIndex16 | -12.76 | ; | 162.29 | -0.08 | 0.94 |
| ## | AcidIndex17 | -0.37 | | 0.63 | -0.58 | 0.56 |
| ## | VolatileAcidity | -0.03 | | 0.01 | -3.37 | 0.00 |

TARGET ~ STARS + LabelAppeal + AcidIndex + VolatileAcidity

We only included the above significant variables we noticed from our correlation here, so this model has got few co-efficients compared with the above.

c-hat for overdispersion check is 1.0779548

Negative Binomial Model - Stepwise Backward

Lets now try with Negative Binomial modeling, which fits greately for over-dispersed count outcome variables. First, Include all variables and build the model. And then use the stepwise backward.

| ## | | Estimate | Std. | Error | z | value | Pr(> z) |
|----|-----------------|----------|------|-------|---|-------|----------|
| ## | (Intercept) | 1.21 | | 0.26 | | 4.69 | 0.00 |
| ## | VolatileAcidity | -0.03 | | 0.01 | | -3.61 | 0.00 |
| ## | Chlorides | -0 04 | | 0 02 | | -1 96 | 0.05 |

```
## FreeSulfurDioxide
                            0.00
                                       0.00
                                                2.03
                                                          0.04
## TotalSulfurDioxide
                            0.00
                                       0.00
                                                          0.00
                                                3.27
## Density
                          -0.40
                                       0.26
                                               -1.57
                                                          0.12
## Sulphates
                          -0.01
                                       0.01
                                               -1.87
                                                         0.06
## LabelAppeal
                           0.16
                                       0.01
                                               19.69
                                                          0.00
## AcidIndex
                          -0.08
                                       0.01
                                              -12.97
                                                         0.00
## STARS1
                           0.78
                                       0.03
                                               29.98
                                                         0.00
## STARS2
                            1.09
                                               45.04
                                                         0.00
                                       0.02
## STARS3
                            1.21
                                       0.03
                                               47.67
                                                          0.00
                                               40.74
                                                          0.00
## STARS4
                            1.33
                                       0.03
```

TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
Density + Sulphates + LabelAppeal + AcidIndex + STARS

[1] 26064.46

```
##
                       Estimate
                                 Std. Error z value Pr(>|z|)
## (Intercept)
                                        0.51
                                                0.49
                           0.25
                                                          0.62
## FixedAcidity
                           0.00
                                        0.00
                                                -1.75
                                                          0.08
## VolatileAcidity
                          -0.03
                                        0.01
                                               -3.31
                                                          0.00
## Chlorides
                          -0.05
                                        0.02
                                               -2.33
                                                          0.02
## FreeSulfurDioxide
                           0.00
                                        0.00
                                                2.74
                                                          0.01
## TotalSulfurDioxide
                           0.00
                                        0.00
                                                3.72
                                                          0.00
## Density
                                        0.25
                                                          0.02
                          -0.58
                                               -2.28
## Sulphates
                          -0.02
                                        0.01
                                                -2.29
                                                          0.02
## Alcohol
                           0.00
                                        0.00
                                                1.45
                                                          0.15
## LabelAppeal-1
                           0.24
                                        0.05
                                                4.88
                                                          0.00
## LabelAppeal0
                           0.42
                                        0.05
                                                8.84
                                                          0.00
## LabelAppeal1
                           0.55
                                        0.05
                                               11.24
                                                          0.00
## LabelAppeal2
                           0.68
                                        0.06
                                                12.23
                                                          0.00
## AcidIndex5
                           0.11
                                        0.45
                                                0.25
                                                          0.80
## AcidIndex13
                          -0.44
                                        0.47
                                                -0.94
                                                          0.35
## AcidIndex14
                          -0.20
                                        0.47
                                               -0.43
                                                          0.67
## AcidIndex15
                           0.11
                                        0.53
                                                0.21
                                                          0.83
## AcidIndex16
                         -37.44 38745320.70
                                                0.00
                                                          1.00
## AcidIndex17
                          -0.28
                                        0.63
                                               -0.44
                                                          0.66
## STARS1
                           0.79
                                        0.03
                                               30.48
                                                          0.00
## STARS2
                           1.12
                                        0.02
                                                46.37
                                                          0.00
## STARS3
                                        0.03
                                                          0.00
                           1.24
                                                49.06
## STARS4
                           1.37
                                        0.03
                                                42.43
                                                          0.00
```

```
## TARGET ~ FixedAcidity + VolatileAcidity + Chlorides + FreeSulfurDioxide +
## TotalSulfurDioxide + Density + Sulphates + Alcohol + LabelAppeal +
## AcidIndex + STARS
```

We noticed that our dataset do NOT has lot of overdispersion (based on poission model above), so the negative binomial results are very much close to the poission.

For example, for each one-unit increase in VolatileAcidity, the expected log count of the number of sample units sold is decreases by 0.031.

The factor variable shown as STARS1 is the expected difference [0.80] in log count between group 1 and the reference group zero (/NA).

Negative Binomial Model - Stepwise Forward

| ## | | Estimate | Std. Error | z value | Pr(> z) | |
|----|----------------------------|------------|--------------|-----------|-------------|-------|
| ## | (Intercept) | 0.25 | 0.51 | 0.49 | 0.62 | |
| ## | STARS1 | 0.79 | 0.03 | 30.48 | 0.00 | |
| ## | STARS2 | 1.12 | 0.02 | 46.37 | 0.00 | |
| ## | STARS3 | 1.24 | 0.03 | 49.06 | 0.00 | |
| ## | STARS4 | 1.37 | 0.03 | 42.43 | 0.00 | |
| ## | LabelAppeal-1 | 0.24 | 0.05 | 4.88 | 0.00 | |
| | LabelAppeal0 | 0.42 | 0.05 | 8.84 | 0.00 | |
| ## | LabelAppeal1 | 0.55 | 0.05 | 11.24 | 0.00 | |
| ## | LabelAppeal2 | 0.68 | 0.06 | 12.23 | 0.00 | |
| ## | AcidIndex5 | 0.11 | 0.45 | 0.25 | 0.80 | |
| ## | AcidIndex13 | -0.44 | 0.47 | -0.94 | 0.35 | |
| ## | AcidIndex14 | -0.20 | 0.47 | -0.43 | 0.67 | |
| ## | AcidIndex15 | 0.11 | 0.53 | 0.21 | 0.83 | |
| ## | AcidIndex16 | -37.44 | 38745320.70 | 0.00 | 1.00 | |
| ## | AcidIndex17 | -0.28 | 0.63 | -0.44 | 0.66 | |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | 0.00 | 3.72 | 0.00 | |
| ## | VolatileAcidity | -0.03 | 0.01 | -3.31 | 0.00 | |
| ## | FreeSulfurDioxide | 0.00 | 0.00 | 2.74 | 0.01 | |
| ## | Chlorides | -0.05 | 0.02 | -2.33 | 0.02 | |
| ## | Sulphates | -0.02 | 0.01 | -2.29 | 0.02 | |
| ## | Density | -0.58 | 0.25 | -2.28 | 0.02 | |
| ## | FixedAcidity | 0.00 | 0.00 | -1.75 | 0.08 | |
| ## | Alcohol | 0.00 | 0.00 | 1.45 | 0.15 | |
| | | | | | | |
| ## | TARGET ~ STARS + La | abelAppeal | L + AcidInde | x + Total | lSulfurDiox | ide + |
| ## | VolatileAcidity | | | | | |
| ш. | Describer to Eigen | | | | r | |

```
##
      Density + FixedAcidity + Alcohol
```

This provides us with the similar results as Stepwise Backward.

Negative Binomial Model - Manual

Lets include only significant predictors noticed from the data exploration section. Since in the dataset with all numeric values Density does not seems significant, so we decide to remove it

| ## | | Estimate | Std. | Error | z value | Pr(> z) |
|----|----------------------------|----------|------|-------|---------|----------|
| ## | (Intercept) | 0.81 | | 0.05 | 15.60 | 0.00 |
| ## | VolatileAcidity | -0.03 | | 0.01 | -3.61 | 0.00 |
| ## | Chlorides | -0.04 | | 0.02 | -1.99 | 0.05 |
| ## | FreeSulfurDioxide | 0.00 | | 0.00 | 2.03 | 0.04 |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | | 0.00 | 3.23 | 0.00 |
| ## | Sulphates | -0.01 | | 0.01 | -1.85 | 0.06 |
| ## | LabelAppeal | 0.16 | | 0.01 | 19.72 | 0.00 |
| ## | AcidIndex | -0.08 | | 0.01 | -13.06 | 0.00 |
| ## | STARS1 | 0.78 | | 0.03 | 29.99 | 0.00 |
| ## | STARS2 | 1.09 | | 0.02 | 45.06 | 0.00 |
| ## | STARS3 | 1.21 | | 0.03 | 47.71 | 0.00 |
| ## | STARS4 | 1.33 | | 0.03 | 40.74 | 0.00 |

```
## TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
## Sulphates + LabelAppeal + AcidIndex + STARS
```

| ## | | Estimate | Std. | Error | Z | value | Pr(> z) |
|----|-----------------|----------|--------|--------|---|-------|----------|
| ## | (Intercept) | -0.32 | | 0.45 | | -0.71 | 0.48 |
| ## | STARS1 | 0.80 | | 0.03 | | 30.71 | 0.00 |
| ## | STARS2 | 1.13 | | 0.02 | | 46.63 | 0.00 |
| ## | STARS3 | 1.25 | | 0.03 | | 49.56 | 0.00 |
| ## | STARS4 | 1.38 | | 0.03 | | 42.82 | 0.00 |
| ## | LabelAppeal-1 | 0.24 | | 0.05 | | 4.93 | 0.00 |
| ## | LabelAppeal0 | 0.43 | | 0.05 | | 8.91 | 0.00 |
| ## | LabelAppeal1 | 0.55 | | 0.05 | | 11.28 | 0.00 |
| ## | LabelAppeal2 | 0.68 | | 0.06 | | 12.22 | 0.00 |
| ## | AcidIndex5 | 0.12 | | 0.45 | | 0.26 | 0.80 |
| ## | AcidIndex13 | -0.46 | | 0.47 | | -0.97 | 0.33 |
| ## | AcidIndex14 | -0.22 | | 0.47 | | -0.47 | 0.64 |
| ## | AcidIndex15 | 0.12 | | 0.53 | | 0.23 | 0.82 |
| ## | AcidIndex16 | -37.42 | 374942 | 215.41 | | 0.00 | 1.00 |
| ## | AcidIndex17 | -0.37 | | 0.63 | | -0.58 | 0.56 |
| ## | VolatileAcidity | -0.03 | | 0.01 | | -3.37 | 0.00 |

TARGET ~ STARS + LabelAppeal + AcidIndex + VolatileAcidity

We only included the above significant variables we noticed from our correlation here, so this model has got few co-efficients compared with the above.

Linear Model - Stepwise Backward

Lets now just try with multiple linear regression model, and see the outcome.

```
##
                     Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                         3.93
                                   0.58
                                           6.77
                                                    0.00
## VolatileAcidity
                        -0.09
                                    0.02
                                          -4.86
                                                    0.00
## Chlorides
                        -0.13
                                   0.05
                                         -2.67
                                                    0.01
## FreeSulfurDioxide
                         0.00
                                   0.00
                                           2.68
                                                    0.01
## TotalSulfurDioxide
                         0.00
                                   0.00
                                           4.26
                                                    0.00
## Density
                        -1.13
                                         -1.95
                                                    0.05
                                   0.58
## Sulphates
                        -0.03
                                   0.02
                                         -1.97
                                                    0.05
## LabelAppeal
                         0.47
                                   0.02
                                          25.82
                                                    0.00
## AcidIndex
                                   0.01 -16.10
                        -0.19
                                                    0.00
## STARS1
                         1.39
                                         31.84
                                                    0.00
                                   0.04
## STARS2
                         2.39
                                    0.04
                                         56.59
                                                    0.00
## STARS3
                         2.98
                                    0.05
                                          61.01
                                                    0.00
## STARS4
                         3.67
                                    0.08
                                          45.95
                                                    0.00
```

```
## TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
## Density + Sulphates + LabelAppeal + AcidIndex + STARS
```

```
##
                    Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                                   1.44
                        1.59
                                        1.10
                                                   0.27
## FixedAcidity
                       -0.01
                                   0.00
                                         -2.17
                                                   0.03
## VolatileAcidity
                       -0.09
                                   0.02 - 4.62
                                                   0.00
```

```
## Chlorides
                                         -3.18
                                                  0.00
                       -0.16
                                  0.05
## FreeSulfurDioxide
                      0.00
                                  0.00
                                        3.52
                                                  0.00
## TotalSulfurDioxide
                       0.00
                                        4.91
                                  0.00
                                                  0.00
## Density
                       -1.70
                                        -2.90
                                  0.58
                                                  0.00
## Sulphates
                       -0.04
                                  0.02
                                        -2.63
                                                  0.01
## Alcohol
                       0.01
                                  0.00
                                        2.04
                                                  0.04
## LabelAppeal-1
                       0.37
                                  0.08
                                        4.44
                                                  0.00
## LabelAppeal0
                                  0.08
                                         10.18
                                                  0.00
                        0.83
## LabelAppeal1
                       1.26
                                  0.08
                                        14.85
                                                  0.00
## LabelAppeal2
                                       15.99
                                                  0.00
                       1.82
                                  0.11
## AcidIndex5
                       0.53
                                  1.32
                                         0.40
                                                  0.69
## AcidIndex13
                       -0.68
                                  1.34
                                        -0.50
                                                  0.62
## AcidIndex14
                       0.01
                                        0.01
                                  1.35
                                                  0.99
## AcidIndex15
                       0.60
                                  1.45 0.41
                                                  0.68
## AcidIndex16
                      -1.35
                                  1.53
                                        -0.88
                                                  0.38
## AcidIndex17
                      -0.34
                                  1.53
                                         -0.22
                                                  0.83
## STARS1
                       1.44
                                  0.04
                                         32.63
                                                  0.00
## STARS2
                       2.51
                                  0.04
                                         58.68
                                                  0.00
## STARS3
                        3.06
                                  0.05
                                         62.61
                                                  0.00
## STARS4
                                         47.39
                        3.78
                                  0.08
                                                  0.00
```

TARGET ~ FixedAcidity + VolatileAcidity + Chlorides + FreeSulfurDioxide +
TotalSulfurDioxide + Density + Sulphates + Alcohol + LabelAppeal +
AcidIndex + STARS

Linear Model - Stepwise Forward

| ## | | Estimate | Std. | Error | t | value | Pr(> t) |
|----|----------------------------|----------|------|-------|---|-------|----------|
| ## | (Intercept) | 1.59 | | 1.44 | | 1.10 | 0.27 |
| ## | STARS1 | 1.44 | | 0.04 | | 32.63 | 0.00 |
| ## | STARS2 | 2.51 | | 0.04 | | 58.68 | 0.00 |
| ## | STARS3 | 3.06 | | 0.05 | | 62.61 | 0.00 |
| ## | STARS4 | 3.78 | | 0.08 | | 47.39 | 0.00 |
| ## | LabelAppeal-1 | 0.37 | | 0.08 | | 4.44 | 0.00 |
| ## | LabelAppeal0 | 0.83 | | 0.08 | | 10.18 | 0.00 |
| ## | LabelAppeal1 | 1.26 | | 0.08 | | 14.85 | 0.00 |
| ## | LabelAppeal2 | 1.82 | | 0.11 | | 15.99 | 0.00 |
| ## | AcidIndex5 | 0.53 | | 1.32 | | 0.40 | 0.69 |
| ## | AcidIndex13 | -0.68 | | 1.34 | | -0.50 | 0.62 |
| ## | AcidIndex14 | 0.01 | | 1.35 | | 0.01 | 0.99 |
| ## | AcidIndex15 | 0.60 | | 1.45 | | 0.41 | 0.68 |
| ## | AcidIndex16 | -1.35 | | 1.53 | | -0.88 | 0.38 |
| ## | AcidIndex17 | -0.34 | | 1.53 | | -0.22 | 0.83 |
| ## | ${\tt TotalSulfurDioxide}$ | 0.00 | | 0.00 | | 4.91 | 0.00 |
| ## | VolatileAcidity | -0.09 | | 0.02 | | -4.62 | 0.00 |
| ## | ${\tt FreeSulfurDioxide}$ | 0.00 | | 0.00 | | 3.52 | 0.00 |
| ## | Chlorides | -0.16 | | 0.05 | | -3.18 | 0.00 |
| ## | Density | -1.70 | | 0.58 | | -2.90 | 0.00 |
| ## | Sulphates | -0.04 | | 0.02 | | -2.63 | 0.01 |
| ## | FixedAcidity | -0.01 | | 0.00 | | -2.17 | 0.03 |
| ## | Alcohol | 0.01 | | 0.00 | | 2.04 | 0.04 |
| | | | | | | | |

TARGET ~ STARS + LabelAppeal + AcidIndex + TotalSulfurDioxide +

```
## VolatileAcidity + FreeSulfurDioxide + Chlorides + Density +
## Sulphates + FixedAcidity + Alcohol
```

Linear Model - Manual

```
Estimate Std. Error t value Pr(>|t|)
                           2.80
                                      0.10
                                              27.91
                                                        0.00
## (Intercept)
## VolatileAcidity
                          -0.09
                                      0.02
                                              -4.86
                                                        0.00
## Chlorides
                                              -2.72
                                                        0.01
                          -0.13
                                      0.05
## FreeSulfurDioxide
                           0.00
                                      0.00
                                               2.64
                                                        0.01
## TotalSulfurDioxide
                           0.00
                                      0.00
                                               4.23
                                                        0.00
## LabelAppeal
                           0.47
                                      0.02
                                              25.87
                                                        0.00
## AcidIndex
                          -0.19
                                             -16.27
                                                        0.00
                                      0.01
## STARS1
                                              31.87
                           1.40
                                      0.04
                                                        0.00
## STARS2
                           2.40
                                      0.04
                                              56.61
                                                        0.00
## STARS3
                           2.98
                                      0.05
                                              61.12
                                                        0.00
## STARS4
                                              45.97
                                                        0.00
                           3.67
                                      0.08
```

```
## TARGET ~ VolatileAcidity + Chlorides + FreeSulfurDioxide + TotalSulfurDioxide +
## LabelAppeal + AcidIndex + STARS
```

| ## | | Estimate | Std. | Error | t value | Pr(> t) |
|----|-----------------|----------|------|-------|---------|----------|
| ## | (Intercept) | -0.06 | | 1.33 | -0.04 | 0.97 |
| ## | STARS1 | 1.45 | | 0.04 | 32.87 | 0.00 |
| ## | STARS2 | 2.52 | | 0.04 | 58.90 | 0.00 |
| ## | STARS3 | 3.09 | | 0.05 | 63.13 | 0.00 |
| ## | STARS4 | 3.81 | | 0.08 | 47.63 | 0.00 |
| ## | LabelAppeal-1 | 0.37 | | 0.08 | 4.47 | 0.00 |
| ## | LabelAppeal0 | 0.83 | | 0.08 | 10.21 | 0.00 |
| ## | LabelAppeal1 | 1.26 | | 0.09 | 14.81 | 0.00 |
| ## | LabelAppeal2 | 1.81 | | 0.11 | 15.89 | 0.00 |
| ## | AcidIndex5 | 0.53 | | 1.33 | 0.40 | 0.69 |
| ## | AcidIndex13 | -0.74 | | 1.35 | -0.55 | 0.59 |
| ## | AcidIndex14 | -0.06 | | 1.35 | -0.05 | 0.96 |
| ## | AcidIndex15 | 0.63 | | 1.46 | 0.44 | 0.66 |
| ## | AcidIndex16 | -1.41 | | 1.53 | -0.92 | 0.36 |
| ## | AcidIndex17 | -0.49 | | 1.54 | -0.32 | 0.75 |
| ## | VolatileAcidity | -0.09 | | 0.02 | -4.67 | 0.00 |

TARGET ~ STARS + LabelAppeal + AcidIndex + VolatileAcidity

Model Selection

Lets prepare a validation results data frame by deriving the validation metrics like, RMSE, R^2 (for linear model only) and AIC and number of coefficients etc., to help decide a better model out of the above 9 models.

| ModelType | RMSE | Adj_R2 | AIC | Coefs |
|------------------------------|--------|--------|----------|-------|
| Poisson - Stepwise Backward | 2.6125 | NA | 26200.28 | 22 |
| Poisson - Stepwise Forward | 2.6125 | NA | 26200.28 | 22 |
| Poisson - Manual | 2.6125 | NA | 26229.36 | 15 |
| Negative Binomial - Backward | 2.7576 | NA | 26202.52 | 22 |

| ModelType | RMSE | Adj_R2 | AIC | Coefs |
|-----------------------------|--------|--------|----------|-------|
| Negative Binomial - Forward | 2.7576 | NA | 26202.52 | 22 |
| Negative Binomial - Manual | 2.7570 | NA | 26231.60 | 15 |
| Linear - Stepwise Backward | 1.3710 | 0.52 | 24832.12 | 22 |
| Linear - Stepwise Forward | 1.3710 | 0.52 | 24832.12 | 22 |
| Linear - Manual | 1.3725 | 0.52 | 24890.70 | 15 |

Since we are comparing different types of models, its tricky to select a common metric for these.

For our evaluation, lets consider the model that had least RMSE, AIC - which in our case is the linear model (both barkward and forward resluted in the same metrics)

Evaluation

Lets do the data transformation first for our eval data frame, and then predict.

```
## Observations: 3,335
## Variables: 16
## $ IN
                       <int> 3, 9, 10, 18, 21, 30, 31, 37, 39, 47, 60, 6...
## $ TARGET
                       ## $ FixedAcidity
                       <dbl> 5.4, 12.4, 7.2, 6.2, 11.4, 17.6, 15.5, 15.9...
                       <dbl> -0.860, 0.385, 1.750, 0.100, 0.210, 0.040, ...
## $ VolatileAcidity
## $ CitricAcid
                       <dbl> 0.27, -0.76, 0.17, 1.80, 0.28, -1.15, -0.53...
## $ ResidualSugar
                       <dbl> -10.70, -19.70, -33.00, 1.00, 1.20, 1.40, 4...
## $ Chlorides
                       <dbl> 0.092, 1.169, 0.065, -0.179, 0.038, 0.535, ...
                       <dbl> 23, -37, 9, 104, 70, -250, 10, 115, 35, 40,...
## $ FreeSulfurDioxide
## $ TotalSulfurDioxide <dbl> 398, 68, 76, 89, 53, 140, 17, 381, 83, 129,...
## $ Density
                       <dbl> 0.98527, 0.99048, 1.04641, 0.98877, 1.02899...
## $ pH
                       <dbl> 5.02, 3.37, 4.61, 3.20, 2.54, 3.06, 3.07, 2...
## $ Sulphates
                       <dbl> 0.64, 1.09, 0.68, 2.11, -0.07, -0.02, 0.75,...
## $ Alcohol
                       <dbl> 12.30, 16.00, 8.55, 12.30, 4.80, 11.40, 8.5...
## $ LabelAppeal
                       <int> -1, 0, 0, -1, 0, 1, 0, 1, 0, 0, 0, 1, 0, 0, ...
## $ AcidIndex
                       <int> 6, 6, 8, 8, 10, 8, 12, 7, 12, 7, 8, 10, 9, ...
## $ STARS
                       <int> NA, 2, 1, 1, NA, 4, 3, NA, NA, NA, 1, NA, 2...
```

| INDEX | STARS | LabelAppeal | TARGET |
|-------|---------|--------------|--------|
| | 5171165 | LabelTippear | |
| 3 | 0 | -1 | 1 |
| 9 | 2 | 0 | 4 |
| 10 | 1 | 0 | 2 |
| 18 | 1 | -1 | 2 |
| 21 | 0 | 0 | 1 |
| 30 | 4 | 1 | 5 |
| 31 | 3 | 0 | 4 |
| 37 | 0 | 1 | 2 |
| 39 | 0 | 0 | 1 |
| 47 | 0 | 0 | 2 |
| 60 | 1 | 0 | NA |
| 62 | 0 | 1 | 1 |
| 63 | 2 | 0 | 4 |
| 64 | 0 | 0 | NA |
| 68 | 0 | -1 | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------------------|---------------|---------------|---------------|
| 75 | 2 | -1 | 3 |
| 76 | 1 | -1 | 3 |
| 83 | 0 | 1 | 0 |
| 87 | 2 | 0 | 4 |
| 92 | 3 | 1 | 5 |
| 98 | 2 | -2 | 3 |
| 106 | 0 | 0 | 1 |
| 107 | 0 | 2 | 2 |
| 113 | 1 | -1 | 2 |
| 120 | 2 | 0 | 4 |
| 123 | 2 | 2 | 5 |
| 125 | 2 | -1 | 3 |
| 126 | 4 | 1 | 5 |
| 128 | 4 | 0 | 5 |
| 129 | 1 | -1 | 2 |
| 131 | 3 | 0 | NA |
| 135 | 0 | 1 | 2 |
| 141 | 3 | 0 | 4 |
| 147 | 1 | 0 | 3 |
| 148 | 0 | -1 | 1 |
| 151 | 2 | 0 | 4 |
| 156 | 1 | 1 | 3 |
| 157 | 3 | -1 | 4 |
| 174 | 0 | -1 | 1 |
| 186 | 0 | 1 | 2 |
| 193 | 1 | -1 | 2 |
| 195 | 0 | 0 | NA |
| 212 | 0 | 0 | 1 |
| 213 | 0 | 0 | 1 |
| 217 | 1 | 0 | NA |
| 223 | 2 | 0 | 4 |
| 226 | 1 | 0 | 3 |
| 228 | 2 | 1 | 4 |
| 230 | 3 | 0 | 4 |
| 241 | 1 | 0 | 3 |
| 243 | 2 | 0 | 4 |
| 249 | 0 | 0 | 1 |
| 281 | 3 | 0 | 5 |
| 288 | 0 | 0 | 1 |
| 294 | 1 | -2 | 2 |
| 295 | 1 | -2 | 2 |
| 300 | 2 | 2 1 | NA |
| 302 | 2 | | 4 |
| 303 | 0 | 0 | 1 1 |
| 308 | 0 | -1 1 | NA |
| 319 | $\frac{2}{0}$ | $\frac{1}{0}$ | NA NA |
| $\frac{320}{324}$ | 1 | 0 | NA NA |
| 331 | 1 | -1 | |
| 343 | 1 | 0 | $\frac{2}{3}$ |
| 343 | 1 | -1 | |
| 348 | 2 | 0 | $\frac{2}{4}$ |
| 940 | 4 | J | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 350 | 2 | 1 | 5 |
| 357 | 0 | -2 | 0 |
| 358 | 2 | 0 | 4 |
| 360 | 3 | 0 | NA |
| 366 | 1 | 1 | 3 |
| 367 | 1 | -1 | 2 |
| 368 | 3 | 1 | 5 |
| 376 | 1 | -1 | 2 |
| 380 | 1 | 0 | 3 |
| 388 | 0 | -2 | 0 |
| 396 | 2 | 1 | NA |
| 398 | 4 | 0 | 5 |
| 403 | 3 | 0 | NA |
| 410 | 1 | 0 | 3 |
| 412 | 0 | 2 | 3 |
| 420 | 1 | -1 | 2 |
| 434 | 1 | -1 | 2 |
| 440 | 1 | 0 | 3 |
| 450 | 2 | 0 | 4 |
| 453 | 1 | 0 | 3 |
| 464 | 4 | 0 | 5 |
| 465 | 2 | 1 | NA |
| 466 | 4 | 0 | 5 |
| 473 | 1 | -1 | 2 |
| 476 | 0 | 0 | 1 |
| 478 | 0 | 0 | 1 |
| 479 | 2 | -1 | 4 |
| 493 | 1 | -1 | 2 |
| 497 | 3 | -1 | NA |
| 503 | 2 | 0 | 4 |
| 504 | 2 | 0 | 3 |
| 505 | 2 | -2 | 3 |
| 507 | 0 | 1 | 2 |
| 513 | 1 | 0 | 2 |
| 519 | 1 | -1 | 2 |
| 521 | 2 | 0 | 4 |
| 522 | 2 | 0 | 4 |
| 545 | 1 | 0 | NA |
| 549 | 0 | 0 | 2 |
| 551 | 0 | 0 | 1 |
| 556 | 3 | 2 | NA |
| 557 | 4 | 1 | 6 |
| 559 | 0 | -1 | 1 |
| 560 | 1 | -1 | NA |
| 566 | 2 | 0 | 4 |
| 569 | 2 | 1 | 4 |
| 573 | 1 | -1 | NA |
| 578 | 0 | 0 | 1 |
| 579 | 3 | 1 | NA |
| 582 | 3 | 1 | 5 |
| 596 | 3 | 0 | NA |
| 598 | 1 | -1 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 599 | 0 | -1 | 1 |
| 602 | 1 | 0 | 3 |
| 605 | 0 | -1 | 1 |
| 617 | 1 | -1 | NA |
| 619 | 4 | 1 | 5 |
| 630 | 1 | 1 | 3 |
| 634 | 2 | 0 | 4 |
| 643 | 1 | -1 | NA |
| 645 | 0 | -1 | 1 |
| 647 | 2 | 1 | 4 |
| 649 | 1 | 1 | 3 |
| 656 | 2 | 0 | 4 |
| 657 | 3 | 1 | 5 |
| 658 | 1 | 0 | NA |
| 667 | 3 | -1 | 4 |
| 692 | 1 | 0 | NA |
| 693 | 3 | 0 | 4 |
| 698 | 0 | 1 | 1 |
| 699 | 2 | 0 | 4 |
| 700 | 4 | 2 | NA |
| 704 | 2 | -1 | 3 |
| 707 | 1 | 1 | NA |
| 708 | 2 | 1 | 4 |
| 709 | 1 | 0 | 3 |
| 713 | 0 | -1 | 1 |
| 714 | 2 | -1 | 3 |
| 716 | 1 | -1 | 2 |
| 718 | 2 | 0 | 4 |
| 722 | 3 | 0 | 4 |
| 729 | 3 | 2 | NA |
| 731 | 1 | 0 | 3 |
| 733 | 2 | 0 | 4 |
| 746 | 1 | 0 | 3 |
| 747 | 2 | 0 | 4 |
| 748 | 0 | -1 | NA |
| 753 | 0 | -1 | NA |
| 757 | 0 | -1 | 1 |
| 763 | 2 | -1 | 4 |
| 767 | 3 | 1 | 5 |
| 774 | 1 | 0 | 3 |
| 776 | 0 | 1 | 2 |
| 788 | 0 | 0 | 1 |
| 794 | 2 | 0 | 4 |
| 799 | 0 | 0 | 2 |
| 803 | 3 | 0 | 4 |
| 806 | 3 | 0 | 4 |
| 807 | 2 | 0 | 4 |
| 811 | 3 | 0 | 5 |
| 816 | 3 | 2 | NA |
| 818 | 2 | 0 | 4 |
| 819 | 0 | -1 | 1 |
| 831 | 3 | 1 | 5 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 835 | 3 | 1 | 5 |
| 837 | 0 | -1 | 1 |
| 841 | 0 | 1 | NA |
| 846 | 0 | -1 | 1 |
| 856 | 4 | 1 | NA |
| 861 | 2 | 1 | 4 |
| 862 | 0 | 2 | NA |
| 863 | 2 | -1 | 3 |
| 865 | 2 | 0 | NA |
| 871 | 1 | -1 | 2 |
| 879 | 0 | 0 | 1 |
| 880 | 1 | -1 | 2 |
| 881 | 2 | 0 | 4 |
| 885 | 2 | 0 | 4 |
| 887 | 1 | 0 | NA |
| 892 | 0 | 1 | NA |
| 898 | 2 | 0 | 4 |
| 900 | 0 | -2 | 1 |
| 904 | 0 | 0 | NA |
| 906 | 3 | 1 | 5 |
| 910 | 2 | 0 | 4 |
| 912 | 3 | 0 | 4 |
| 913 | 1 | -1 | 2 |
| 919 | 4 | 0 | 5 |
| 924 | 0 | -1 | NA |
| 925 | 1 | 0 | 3 |
| 930 | 2 | -1 | 3 |
| 940 | 1 | -2 | NA |
| 941 | 1 | 1 | 3 |
| 946 | 0 | 0 | 1 |
| 949 | 3 | 1 | 5 |
| 951 | 0 | -1 | 1 |
| 962 | 2 | 0 | 4 |
| 966 | 1 | -1 | 2 |
| 967 | 4 | 0 | 5 |
| 971 | 0 | 1 | 2 |
| 981 | 3 | -1 | 4 |
| 982 | 2 | -1 | NA |
| 983 | 0 | 0 | 1 |
| 984 | 0 | 1 | 2 |
| 989 | 2 | -2 | 3 |
| 990 | 2 | 1 | 4 |
| 992 | 1 | 0 | 3 |
| 995 | 3 | 1 | 5 |
| 996 | 0 | -1 | 1 |
| 998 | 0 | -1 | 1 |
| 1001 | 4 | -1 | 5 |
| 1007 | 0 | 0 | 1 |
| 1008 | 1 | -1 | NA |
| 1016 | 1 | -1 | 2 |
| 1022 | 1 | -1 | NA |
| 1027 | 3 | 1 | 5 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|----------------|
| 1032 | 0 | 1 | NA |
| 1033 | 2 | 0 | 3 |
| 1041 | 3 | 1 | 5 |
| 1065 | 0 | -1 | NA |
| 1074 | 0 | 0 | 2 |
| 1075 | 0 | 0 | 1 |
| 1081 | 0 | -1 | 1 |
| 1094 | 3 | 0 | 4 |
| 1099 | 2 | -1 | 3 |
| 1105 | 1 | 0 | 3 |
| 1123 | 0 | 1 | 2 |
| 1135 | 0 | 0 | NA |
| 1142 | 1 | -1 | 2 |
| 1155 | 1 | -1 | 2 |
| 1169 | 1 | 0 | NA |
| 1176 | 1 | 1 | NA |
| 1178 | 2 | 0 | 4 |
| 1180 | 2 | 0 | 4 |
| 1184 | 0 | 0 | 1 |
| 1185 | 0 | -1 | 1 |
| 1193 | 0 | 0 | 1 |
| 1196 | 0 | -1 | 1 |
| 1199 | 0 | -2 | 1 |
| 1203 | $\overset{\circ}{2}$ | -1 | 3 |
| 1205 | 1 | -1 | 2 |
| 1207 | 1 | -1 | $\overline{2}$ |
| 1208 | 0 | 0 | 1 |
| 1212 | 0 | -2 | NA |
| 1213 | 0 | 0 | NA |
| 1222 | 0 | -1 | 1 |
| 1223 | 0 | 0 | 1 |
| 1226 | 3 | 0 | 4 |
| 1227 | 3 | $\overset{\circ}{2}$ | 5 |
| 1229 | 0 | - -1 | 1 |
| 1230 | 3 | 0 | 4 |
| 1231 | 1 | 0 | 3 |
| 1241 | 0 | -1 | 1 |
| 1243 | 3 | 0 | 4 |
| 1244 | 4 | 1 | 6 |
| 1246 | 3 | 0 | 4 |
| 1248 | 1 | -1 | 2 |
| 1249 | 2 | 0 | 4 |
| 1252 | 2 | 0 | 4 |
| 1261 | 1 | 1 | 3 |
| 1275 | 3 | -1 | 4 |
| 1281 | 0 | 0 | 2 |
| 1285 | 3 | 0 | NA |
| 1288 | 0 | 1 | 2 |
| 1290 | $\overset{\circ}{2}$ | 0 | 4 |
| 1291 | 0 | 0 | 1 |
| 1304 | $\overset{\circ}{2}$ | 1 | 4 |
| 1305 | 3 | -2 | 4 |
| 2000 | - | - | |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|-------|-------------|---------------------------------------|
| 1323 | 2 | 1 | 4 |
| 1342 | 0 | 0 | NA |
| 1348 | 1 | -1 | NA |
| 1353 | 2 | 0 | 4 |
| 1363 | 2 | -1 | 3 |
| 1371 | 2 | 0 | 4 |
| 1372 | 0 | -1 | 1 |
| 1378 | 0 | 0 | 1 |
| 1381 | 3 | 0 | 4 |
| 1382 | 3 | 0 | 4 |
| 1393 | 2 | 1 | NA |
| 1394 | 3 | 1 | 5 |
| 1398 | 3 | 2 | 5 |
| 1404 | 1 | 1 | NA |
| 1405 | 2 | 0 | 4 |
| 1419 | 0 | 0 | 1 |
| 1421 | 2 | -2 | 3 |
| 1426 | 0 | -1 | 1 |
| 1431 | 0 | 0 | NA |
| 1435 | 2 | -1 | NA |
| 1437 | 0 | 0 | 1 |
| 1438 | 0 | 1 | NA |
| 1442 | 0 | -2 | NA |
| 1464 | 0 | -1 | NA |
| 1471 | 1 | 1 | NA |
| 1473 | 2 | 1 | 4 |
| 1476 | 2 | -1 | 3 |
| 1478 | 1 | -1 | 2 |
| 1479 | 2 | 0 | 4 |
| 1487 | 3 | 1 | 5 |
| 1492 | 2 | 1 | 4 |
| 1496 | 2 | -1 | 3 |
| 1497 | 0 | 1 | 2 |
| 1515 | 1 | 0 | NA |
| 1519 | 0 | 0 | 1 |
| 1522 | 2 | -1 | 3 |
| 1526 | 1 | 1 | 3 |
| 1537 | 1 | 0 | 3 |
| 1538 | 3 | 0 | 5 |
| 1540 | 1 | -1 | 2 |
| 1543 | 2 | 0 | NA |
| 1548 | 0 | -1 | 1 |
| 1549 | 0 | 0 | 1 |
| 1556 | 2 | -1 | 3 |
| 1564 | 0 | 0 | 2 |
| 1570 | 3 | -1 | 4 |
| 1577 | 1 | -1 | 2 |
| 1585 | 3 | 0 | 4 |
| 1590 | 2 | 1 | 4 |
| $1592 \\ 1594$ | 0 | -1 1 | 1 |
| 1594 1596 | 0 4 | -1 2 | $\begin{array}{c} 1 \\ 6 \end{array}$ |
| 1990 | 4 | ∠ | О |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|--------|-------------|--------|
| 1598 | 4 | 0 | 5 |
| 1603 | 0 | 0 | 1 |
| 1607 | 0 | -1 | 1 |
| 1612 | 4 | 1 | 6 |
| 1627 | 2 | 1 | 4 |
| 1629 | 1 | 1 | 3 |
| 1630 | 2 | -1 | 3 |
| 1640 | 4 | 1 | 5 |
| 1641 | 3 | 0 | 4 |
| 1646 | 2 | 0 | 4 |
| 1662 | 0 | 1 | 2 |
| 1668 | 0 | 0 | NA |
| 1671 | 0 | 1 | 2 |
| 1672 | 3 | 0 | 4 |
| 1673 | 4 | 1 | NA |
| 1686 | 2 | 0 | 4 |
| 1688 | 3 | 0 | 4 |
| 1696 | 3 | -1 | 4 |
| 1701 | 4 | 0 | 5 |
| 1707 | 2 | 0 | NA |
| 1708 | 1 | 1 | 3 |
| 1713 | 2 | 0 | 4 |
| 1715 | 3 | -1 | NA |
| 1717 | 1 | 0 | 3 |
| 1721 | 2 | -1 | 3 |
| 1724 | 1 | 0 | NA |
| 1725 | 2 | -1 | 3 |
| 1730 | 2 | 0 | 4 |
| 1731 | 3 | 0 | 4 |
| 1734 | 1 | 2 | 4 |
| 1740 | 1 | 1 | 3 |
| 1748 | 1 | 0 | 3 |
| 1749 | 2 | 1 | 4 |
| 1750 | 4 | 1 | 5 |
| 1763 | 1 | 0 | 3 |
| 1768 | 3 | 0 | 4 |
| 1773 | 1 | -1 | NA |
| 1777 | 0 | 1 | 2 |
| 1778 | 0 | 0 | 1 |
| 1780 | 1 | 0 | 3 |
| 1782 | 0 | 0 | 1 |
| 1784 | 2 | 1 | 4 |
| 1786 | 2 | 0 | 4 |
| 1787 | 2 | 1 | NA |
| 1792 | 0 | 0 | 1 |
| 1800 | 1 | -1 | NA |
| 1801 | 2 | -1 | 3 |
| 1803 | 1 | 0 | 3 |
| 1804 | 3 | -1 1 | 4 |
| 1807 | 1 | -1 2 | 2 |
| 1818 | 3 1 | 2 1 | 5 3 |
| 1821 | 1 | 1 | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|---------------|--------|
| 1822 | 3 | 0 | 5 |
| 1828 | 1 | 0 | 3 |
| 1833 | 2 | 0 | 4 |
| 1844 | 3 | 0 | 4 |
| 1847 | 1 | 0 | 3 |
| 1850 | 1 | -1 | 2 |
| 1854 | 2 | 0 | 4 |
| 1858 | 3 | 1 | 5 |
| 1864 | 3 | 0 | 4 |
| 1867 | 1 | 0 | NA |
| 1876 | 1 | 0 | NA |
| 1880 | 0 | 0 | NA |
| 1881 | 1 | -1 | NA |
| 1891 | 1 | 0 | 3 |
| 1894 | 2 | 0 | NA |
| 1895 | 2 | 1 | 4 |
| 1901 | 0 | 1 | NA |
| 1905 | 2 | 1 | 4 |
| 1912 | 3 | 2 | 5 |
| 1918 | 2 | -1 | 3 |
| 1921 | 2 | 0 | 4 |
| 1923 | $\overline{2}$ | -1 | 3 |
| 1924 | 0 | 1 | 2 |
| 1931 | 1 | -1 | NA |
| 1941 | 3 | 0 | 4 |
| 1950 | 0 | -2 | 1 |
| 1951 | 3 | 0 | 5 |
| 1954 | 2 | 1 | 4 |
| 1961 | 2 | 0 | 4 |
| 1966 | 2 | 0 | NA |
| 1979 | 2 | 0 | 4 |
| 1982 | 0 | 0 | NA |
| 1987 | 1 | 0 | 3 |
| 1997 | 1 | 0 | NA |
| 2004 | 3 | 0 | 4 |
| 2011 | 4 | 0 | 5 |
| 2015 | 1 | 1 | 3 |
| 2025 | 4 | 2 | 6 |
| 2033 | 0 | 0 | NA |
| 2034 | $\overset{\circ}{2}$ | 1 | 4 |
| 2035 | 0 | 0 | NA |
| 2036 | 0 | -2 | 1 |
| 2053 | 1 | 0 | 3 |
| 2059 | 3 | -1 | NA |
| 2060 | 0 | -1 | 1 |
| 2073 | 1 | 0 | NA |
| 2084 | 1 | 0 | 3 |
| 2089 | 3 | -1 | 4 |
| 2092 | 0 | -1 | 1 |
| 2109 | 4 | 0 | 5 |
| 2129 | 3 | 1 | 5 |
| 2134 | 3 | $\frac{1}{2}$ | 5 |
| | - | | 9 |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------------|---------------|-------------|----------|
| 2135 | 2 | 1 | 4 |
| 2148 | 1 | 1 | NA |
| 2149 | 0 | 1 | NA |
| 2150 | 1 | -1 | 2 |
| 2165 | 1 | 0 | 3 |
| 2166 | 1 | 0 | NA |
| 2168 | 4 | 0 | NA |
| 2170 | 0 | -2 | 0 |
| 2171 | 1 | -1 | 2 |
| 2172 | 1 | 1 | 3 |
| 2176 | 3 | 1 | 5 |
| 2182 | 2 | -1 | 3 |
| 2189 | 1 | -1 | 2 |
| 2191 | 2 | 1 | NA |
| 2197 | 1 | 0 | 3 |
| 2202 | 0 | 1 | 2 |
| 2203 | 2 | 0 | 4 |
| 2204 | 0 | -1 | 0 |
| 2206 | 2 | 1 | 4 |
| 2218 | 1 | 0 | 3 |
| 2219 | 2 | 0 | 4 |
| $2221 \\ 2226$ | 0 | 0 | 1 1 |
| $\frac{2220}{2228}$ | $\frac{0}{2}$ | -1 | NA |
| $\frac{2228}{2232}$ | $\frac{2}{2}$ | 0 | NA NA |
| $\frac{2232}{2236}$ | 0 | 0 | 1 |
| $\frac{2230}{2241}$ | 1 | -1 | 2 |
| 2245 | 3 | 1 | 5 |
| 2251 | 3 | -1 | NA |
| 2255 | 3 | 1 | 5 |
| 2256 | 2 | 0 | 4 |
| 2259 | 0 | 0 | 1 |
| 2263 | 2 | 0 | 4 |
| 2264 | 2 | 0 | NA |
| 2267 | 0 | 0 | 1 |
| 2273 | 1 | -1 | 2 |
| 2277 | 2 | 1 | 4 |
| 2287 | 3 | 0 | 5 |
| 2289 | 2 | -1 | 3 |
| 2291 | 0 | -1 | 1 |
| 2296 | 1 | -1 | 2 |
| 2299 | 0 | -1 | NA |
| 2306 | 2 | -1 | 3 |
| 2314 | 0 | 1 | 2 |
| 2317 | 1 | -1 | 2 |
| 2318 | 3 | 0 | 4 |
| 2321 | 3 | 0 | 4 |
| 2324 | 2 | 1 | NA |
| 2340 | 2 | -1 | 3 |
| 2343 | 2 | -2 | NA |
| 2349 | 0 | -1 | 1 |
| 2352 | 3 | 1 | 5 |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------|-------------|----------------|
| 2353 | 0 | -1 | 1 |
| 2365 | 1 | 0 | 3 |
| 2370 | 0 | 0 | NA |
| 2378 | 2 | -1 | NA |
| 2390 | 0 | -1 | 1 |
| 2399 | 0 | 1 | 2 |
| 2402 | 0 | 0 | 1 |
| 2403 | 0 | 1 | 2 |
| 2404 | 0 | 0 | 1 |
| 2414 | 3 | 1 | 5 |
| 2422 | 2 | 0 | 4 |
| 2424 | 0 | 1 | 1 |
| 2430 | 2 | 0 | 4 |
| 2435 | 2 | -1 | 3 |
| 2439 | 0 | 0 | NA |
| 2442 | 2 | 1 | 4 |
| 2445 | 2 | 0 | 4 |
| 2449 | 0 | 1 | 2 |
| 2451 | 0 | 0 | 1 |
| 2461 | 1 | 1 | 3 |
| 2464 | 2 | 0 | NA |
| 2465 | $\overline{2}$ | 0 | 4 |
| 2472 | $\overline{2}$ | -1 | 3 |
| 2476 | 1 | -1 | $\overline{2}$ |
| 2482 | 1 | 0 | 3 |
| 2487 | 3 | 1 | 5 |
| 2498 | 2 | 1 | 4 |
| 2501 | 2 | 0 | NA |
| 2504 | 1 | 0 | 3 |
| 2511 | 0 | 0 | 1 |
| 2518 | 3 | 1 | 5 |
| 2521 | 3 | 1 | NĂ |
| 2530 | 2 | -1 | 3 |
| 2543 | 2 | 1 | 4 |
| 2545 | 2 | 1 | 4 |
| 2561 | 3 | -1 | NA |
| 2566 | 2 | 0 | NA |
| 2572 | 1 | 0 | 3 |
| 2577 | 1 | 1 | 3 |
| 2578 | 0 | 0 | 1 |
| 2580 | 1 | 1 | 3 |
| 2581 | 3 | 0 | 4 |
| 2582 | 2 | 1 | 4 |
| 2584 | 1 | 0 | NA |
| 2590 | 3 | 0 | 4 |
| 2598 | 2 | -1 | 3 |
| 2602 | 0 | 0 | NA |
| 2605 | 3 | 1 | 5 |
| 2616 | 2 | 0 | 4 |
| 2618 | 2 | 0 | 3 |
| 2619 | 0 | -1 | 1 |
| 2624 | 3 | 1 | 5 |
| _~ _ - | - | | 9 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 2632 | 0 | 0 | 1 |
| 2640 | 2 | 0 | 4 |
| 2646 | 3 | 0 | 4 |
| 2651 | 0 | 1 | NA |
| 2660 | 0 | 0 | 1 |
| 2661 | 3 | -1 | 4 |
| 2668 | 0 | -2 | 0 |
| 2670 | 0 | 1 | 2 |
| 2680 | 1 | 1 | 3 |
| 2681 | 2 | -1 | 4 |
| 2689 | 0 | 0 | NA |
| 2694 | 2 | 2 | 5 |
| 2695 | 0 | 0 | NA |
| 2696 | 1 | 0 | NA |
| 2702 | 1 | 0 | 3 |
| 2704 | 2 | 0 | 4 |
| 2708 | 4 | 1 | 5 |
| 2709 | 1 | 1 | 3 |
| 2714 | 3 | 0 | NA |
| 2716 | 2 | 1 | NA |
| 2723 | 0 | 0 | 1 |
| 2725 | 2 | -1 | NA |
| 2738 | 0 | 2 | NA |
| 2750 | 2 | 0 | 4 |
| 2756 | 0 | 0 | 1 |
| 2758 | 3 | 0 | 4 |
| 2766 | 1 | 0 | NA |
| 2767 | 0 | 1 | 2 |
| 2771 | 2 | -2 | 3 |
| 2775 | 2 | 0 | 4 |
| 2776 | 2 | -1 | NA |
| 2779 | 0 | 0 | 1 |
| 2780 | 1 | 0 | 3 |
| 2781 | 0 | 0 | 1 |
| 2782 | 3 | 0 | 4 |
| 2783 | 2 | 0 | 4 |
| 2796 | 2 | 0 | 4 |
| 2798 | 2 | 2 | 5 |
| 2800 | 1 | 1 | NA |
| 2803 | 4 | 2 | 6 |
| 2806 | 3 | 1 | NA |
| 2813 | 2 | -1 | 4 |
| 2818 | 0 | -1 | 1 |
| 2821 | 3 | 1 | 5 |
| 2825 | 3 | 0 | 4 |
| 2829 | 1 | -1 | 2 |
| 2830 | 1 | 0 | 3 |
| 2833 | 3 | 0 | 4 |
| 2839 | 0 | -1 | NA |
| 2843 | 4 | 0 | 5 |
| 2846 | 2 | 1 | 4 |
| 2847 | 1 | 1 | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|--------|
| 2848 | 4 | 1 | NA |
| 2856 | 1 | 1 | NA |
| 2863 | 0 | 1 | 1 |
| 2867 | 3 | 1 | 5 |
| 2869 | 2 | 0 | 4 |
| 2873 | 3 | 0 | 4 |
| 2874 | 2 | 0 | 4 |
| 2875 | 2 | -1 | 4 |
| 2880 | 0 | -1 | 1 |
| 2886 | 3 | -1 | 4 |
| 2887 | 2 | 0 | NA |
| 2888 | 2 | 0 | 4 |
| 2889 | 1 | -1 | 2 |
| 2890 | 0 | 1 | 2 |
| 2892 | 0 | -1 | 1 |
| 2901 | 1 | 1 | NA |
| 2902 | 1 | 0 | 2 |
| 2905 | 1 | -1 | 2 |
| 2917 | 1 | 0 | NA |
| 2922 | 1 | 0 | 3 |
| 2924 | 1 | $\overset{\circ}{2}$ | 4 |
| 2930 | 0 | 2 | 2 |
| 2931 | 3 | 1 | 5 |
| 2946 | 0 | -1 | 1 |
| 2955 | $\overset{\circ}{2}$ | 0 | 4 |
| 2962 | 2 | -1 | NA |
| 2964 | 0 | 0 | 1 |
| 2965 | 0 | 0 | 1 |
| 2967 | $\overset{\circ}{2}$ | $\overset{\circ}{2}$ | 5 |
| 2970 | 4 | 1 | 5 |
| 2973 | 3 | 2 | 6 |
| 2974 | 0 | -1 | 1 |
| 2976 | 0 | 0 | 1 |
| 2977 | 0 | 0 | 1 |
| 2978 | 0 | 0 | NA |
| 2986 | 3 | 0 | 5 |
| 2988 | 3 | 1 | 5 |
| 2989 | 0 | 1 | NA |
| 2995 | 2 | 0 | 4 |
| 3005 | 3 | 1 | 5 |
| 3011 | 3 | 1 | 5 |
| 3013 | 1 | 0 | 3 |
| 3019 | 2 | 0 | NA |
| 3021 | 1 | -2 | 2 |
| 3022 | 3 | 1 | 5 |
| 3022 | 0 | -1 | 1 |
| 3023 | $\frac{0}{2}$ | 0 | 4 |
| 3042 | 1 | -1 | 2 |
| 3043 | 2 | 0 | 4 |
| 3049 | $\frac{2}{2}$ | 0 | 4 |
| 3049 | 4 | 1 | 5 |
| 3053 | 0 | -1 | 1 |
| 9099 | U | - T | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|-------------|-----------------------|
| 3058 | 0 | 0 | 1 |
| 3062 | 0 | 1 | 2 |
| 3063 | 3 | 0 | NA |
| 3065 | 0 | 1 | NA |
| 3080 | 1 | -1 | 3 |
| 3088 | 0 | 1 | NA |
| 3093 | 0 | -1 | 1 |
| 3096 | 3 | 1 | NA |
| 3101 | 4 | 1 | 6 |
| 3103 | 0 | -2 | 1 |
| 3107 | 3 | 2 | 5 |
| 3109 | 3 | 0 | 4 |
| 3111 | 4 | 1 | 6 |
| 3113 | 2 | 1 | 4 |
| 3116 | 3 | 1 | 5 |
| 3132 | 1 | 0 | NA |
| 3141 | 3 | 1 | 5 |
| 3153 | 0 | 0 | NA |
| 3154 | 0 | 0 | 1 |
| 3160 | 0 | 0 | 1 |
| 3167 | 0 | 1 | 2 |
| 3170 | $\overset{\circ}{2}$ | -1 | 3 |
| 3173 | 1 | -1 | $\stackrel{\circ}{2}$ |
| 3174 | 2 | 0 | 4 |
| 3177 | 3 | 1 | 5 |
| 3179 | 3 | 0 | NA |
| 3184 | 0 | -1 | 1 |
| 3190 | 1 | 0 | NA |
| 3193 | 3 | 0 | NA |
| 3199 | 3 | 0 | 4 |
| 3201 | 0 | 0 | NA |
| 3202 | 1 | -1 | 2 |
| 3203 | 1 | 1 | 3 |
| 3206 | 2 | -1 | NA |
| 3209 | 2 | -1 | 3 |
| 3210 | 1 | 0 | 2 |
| 3217 | 3 | 0 | 4 |
| 3220 | 3 | 0 | NA |
| 3228 | 1 | -1 | NA |
| 3232 | 1 | 0 | 3 |
| 3239 | 0 | 0 | NA |
| 3243 | 2 | 0 | 4 |
| 3245 | 1 | 0 | 3 |
| 3246 | 2 | 1 | NA |
| 3251 | 4 | 0 | 5 |
| 3253 | 4 | 0 | 5 |
| 3257 | 3 | 0 | NA |
| 3260 | 0 | 0 | 1 |
| 3261 | 1 | 1 | 3 |
| 3263 | 3 | 1 | 5 |
| 3278 | 2 | 0 | 4 |
| 3281 | 1 | 0 | 3 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|---------------|-------------|---------|
| 3283 | 3 | 1 | 5 |
| 3290 | 1 | -1 | 2 |
| 3297 | 2 | 0 | 4 |
| 3304 | 3 | 0 | 4 |
| 3305 | 2 | -1 | 3 |
| 3307 | 2 | 2 | 5 |
| 3308 | 1 | 1 | 3 |
| 3313 | 1 | 1 | 3 |
| 3314 | 1 | 0 | 3 |
| 3317 | 0 | 2 | 2 |
| 3348 | 0 | 1 | 2 |
| 3350 | 1 | -1 | 2 |
| 3359 | 2 | 0 | 4 |
| 3367 | 3 | 0 | 4 |
| 3376 | 1 | 0 | 3 |
| 3378 | 3 | -1 | 4 |
| 3384 | 0 | 0 | 1 |
| 3386 | 1 | 0 | 3 |
| 3387 | 2 | 0 | NA |
| 3388 | 2 | -1 | 3 |
| 3390 | 2 | 1 | 4 |
| 3391 | 0 | 0 | 1 |
| 3396 | 0 | -1 | -1 |
| 3398 | 2 | 0 | 4 |
| 3404 | 4 | 0 | 5 |
| 3406 | 0 | 1 | 2 |
| 3407 | 1 | 1 | 3 |
| 3414 | 3 | 1 | 5 |
| 3419 | 2 | -1 | 3 |
| 3423 | 1 | -1 | NA |
| 3427 | 1 | 0 | 3 |
| 3432 | 0 | 0 | 0 |
| 3434 | 1 | 0 | 3 |
| 3438 | 0 | 0 | 1 |
| 3442 | 0 | 0 | 1 |
| 3443 | 0 | 0 | 1 |
| 3448 | 0 | 0 | 1 |
| 3456 | 2 | -1 | 3 |
| 3464 | 4 | 1 | 5 |
| 3470 | 0 | 0 | 1 |
| 3475 | 2 | 0 | 4 |
| 3477 | 3 | -1 | NA |
| 3490 | 1 | 0 | NA |
| 3493 | 2 | 0 | 4 |
| 3502 | 2 | -1 | NA |
| 3508 | 3 | 0 | NA |
| 3516 | 0 | -1 1 | NA |
| 3517 | 3 | 1 | NA |
| 3525 | $\frac{1}{2}$ | 0 | NA 4 |
| $3532 \\ 3535$ | $\frac{2}{2}$ | 0 | NA |
| 3536 | $\frac{2}{2}$ | 1 | NA 4 |
| 9990 | <i>L</i> | 1 | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|--------------|----------------------|-------------|----------------|
| 3540 | 2 | -1 | 3 |
| 3547 | 1 | 0 | 3 |
| 3550 | 3 | -1 | 4 |
| 3557 | 1 | -1 | NA |
| 3562 | 0 | -1 | 1 |
| 3563 | 2 | -1 | 3 |
| 3564 | 0 | -1 | 1 |
| 3570 | 1 | 1 | 3 |
| 3573 | 1 | 1 | NA |
| 3577 | 1 | 1 | 3 |
| 3579 | 3 | -1 | NA |
| 3581 | 0 | -1 | 1 |
| 3587 | $\overset{\circ}{2}$ | 0 | $\overline{4}$ |
| 3602 | 3 | -1 | 4 |
| 3609 | 2 | 0 | 4 |
| 3612 | 2 | 1 | 5 |
| 3621 | 1 | 1 | 3 |
| 3642 | 0 | 1 | NA |
| 3647 | 0 | 0 | 1 |
| 3649 | 1 | 0 | NA |
| 3654 | 1 | 0 | NA |
| 3660 | 2 | 1 | 4 |
| 3665 | 3 | 0 | NA |
| 3669 | 2 | 0 | 4 |
| 3673 | 2 | 0 | 4 |
| 3675 | 0 | 0 | 1 |
| 3678 | 2 | 0 | 4 |
| 3680 | 1 | 1 | 3 |
| 3686 | 3 | 2 | 5 |
| 3693 | 2 | 1 | 4 |
| 3710 | 1 | 0 | 3 |
| 3713 | 3 | 0 | 4 |
| 3718 | 3 | 1 | NA |
| 3725 | 2 | -1 | 3 |
| 3726 | 1 | 1 | 3 |
| 3747 | 1 | 0 | 3 |
| 3753 | 0 | 0 | 2 |
| 3753 | 4 | 0 | 5 |
| 3760 | 4 | 0 | 5 |
| 3763 | 1 | -1 | $\frac{3}{2}$ |
| 3765 | 3 | 0 | 4 |
| 3769 | 4 | 0 | 5 |
| 3771 | 2 | 0 | 4 |
| 3784 | 1 | 1 | 3 |
| 3787 | 2 | 1 | NA |
| 3794 | 0 | 0 | 1 1 |
| 3794 | 2 | 0 | 4 |
| 3790 3798 | $\frac{2}{2}$ | 1 | 4 |
| 3809 | $\frac{2}{2}$ | 0 | 4 |
| 3812 | 3 | 1 | 5 |
| 3819 | 0 | -2 | 0 |
| 3828 | 3 | 0 | NA |
| 3040 | J | U | INA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 3831 | 3 | 1 | 5 |
| 3833 | 1 | 1 | 3 |
| 3837 | 3 | 1 | 5 |
| 3839 | 0 | -1 | 1 |
| 3843 | 0 | 0 | 1 |
| 3846 | 2 | 0 | NA |
| 3854 | 3 | 1 | 5 |
| 3861 | 0 | 0 | 1 |
| 3864 | 2 | 0 | 4 |
| 3868 | 1 | 0 | 2 |
| 3869 | 3 | 1 | 5 |
| 3870 | 1 | 0 | 3 |
| 3883 | 1 | -1 | 2 |
| 3886 | 1 | 0 | 3 |
| 3889 | 2 | 0 | NA |
| 3894 | 0 | -1 | 1 |
| 3907 | 1 | 0 | 3 |
| 3910 | 2 | 0 | 4 |
| 3913 | 0 | 0 | 1 |
| 3914 | 1 | 0 | 3 |
| 3921 | 2 | 2 | 5 |
| 3923 | 0 | 1 | 2 |
| 3929 | 2 | -2 | 3 |
| 3931 | 0 | -2 | 1 |
| 3932 | 3 | 1 | 5 |
| 3937 | 0 | 0 | NA |
| 3943 | 1 | 1 | 3 |
| 3956 | 2 | 1 | 4 |
| 3957 | 1 | 0 | 2 |
| 3961 | 4 | 1 | 6 |
| 3971 | 1 | 1 | 3 |
| 4004 | 0 | -1 | 1 |
| 4005 | 1 | 1 | 3 |
| 4006 | 3 | 0 | 4 |
| 4011 | 1 | -1 | 2 |
| 4013 | 3 | 1 | 5 |
| 4014 | 3 | 2 | 5 |
| 4016 | 0 | -1 | 1 |
| 4017 | 3 | 1 | 5 |
| 4020 | 1 | 0 | NA |
| 4022 | 2 | 0 | 4 |
| 4026 | 0 | 0 | 1 |
| 4032 | 0 | -1 | 1 |
| 4043 | 1 | -1 | 2 |
| 4045 | 1 | 1 | 3 |
| 4048 | 3 | 1 | 5 |
| 4051 | 3 | 1 | NA |
| 4052 | 2 | 0 | 4 |
| 4056 | 2 | -1 | 3 |
| 4059 | 1 | 0 | 2 |
| 4069 | 3 | 1 | NA |
| 4074 | 2 | 0 | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|---------------|-------------|---------------|
| 4076 | 1 | 0 | 3 |
| 4077 | 0 | -1 | NA |
| 4079 | 1 | 0 | NA |
| 4081 | 2 | 0 | NA |
| 4088 | 0 | 0 | 1 |
| 4105 | 1 | 1 | NA |
| 4125 | 2 | 0 | 4 |
| 4134 | 2 | -1 | 3 |
| 4139 | 1 | 0 | 2 |
| 4146 | 1 | -1 | 2 |
| 4149 | 3 | 0 | NA |
| 4151 | 0 | 1 | 2 |
| 4155 | 1 | 0 | NA |
| 4157 | 1 | 1 | 3 |
| 4168 | 3 | 1 | NA |
| 4170 | 1 | -1 | 2 |
| 4174 | 1 | -1 | 2 5 |
| 4179 | 3 | 1 | |
| 4185 | 3 | 0 | 4 |
| 4199 | 0 | -1 | 1 |
| 4205 | 0 | 0 | 1 |
| 4208 | 1 | 1 | NA |
| 4211 | 2 | -2 | 3 |
| 4212 | 0 | -1 | 0 |
| 4215 | 1 | 0 | 3 |
| 4217 | 2 | -1 | NA |
| 4219 | 0 | 0 | 1 |
| 4226 | 3 | 0 | 4 |
| 4227 | 2 | -1 | NA |
| $4229 \\ 4231$ | 0 | -1 0 | $\frac{1}{3}$ |
| 4231 4233 | $\frac{1}{0}$ | -1 | 3 1 |
| 4233 4237 | 1 | 0 | NA |
| 4243 | 2 | 1 | 4 |
| 4243 4248 | 3 | 0 | 4 |
| 4246 4255 | 3 | 1 | 5 |
| 4262 | 1 | -1 | 2 |
| 4262 | 0 | -1 | 1 |
| 4268 | 0 | 1 | $\frac{1}{2}$ |
| 4270 | 1 | -1 | NA |
| 4273 | 0 | 1 | NA |
| 4276 | 2 | 1 | 4 |
| 4277 | 2 | 0 | 4 |
| 4279 | 1 | -1 | NA |
| 4299 | 2 | 0 | 4 |
| 4313 | 0 | 1 | 2 |
| 4322 | 3 | 0 | NA |
| 4324 | 0 | 0 | 1 |
| 4328 | 2 | -1 | 3 |
| 4331 | 1 | 0 | 3 |
| 4335 | 1 | -1 | 2 |
| 4337 | 2 | 0 | 4 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 4338 | 0 | -1 | 1 |
| 4343 | 1 | -1 | 2 |
| 4347 | 1 | -2 | 2 |
| 4355 | 2 | 0 | 4 |
| 4357 | 1 | 0 | NA |
| 4359 | 4 | 1 | 6 |
| 4362 | 1 | -2 | NA |
| 4368 | 1 | -1 | 2 |
| 4374 | 3 | 1 | NA |
| 4375 | 3 | 1 | 5 |
| 4378 | 2 | 0 | 4 |
| 4381 | 0 | 0 | 1 |
| 4387 | 2 | 1 | 4 |
| 4400 | 1 | -1 | 2 |
| 4423 | 2 | 1 | 4 |
| 4424 | 1 | 0 | NA |
| 4428 | 3 | 0 | 5 |
| 4433 | 3 | 2 | 6 |
| 4436 | 0 | -1 | NA |
| 4437 | 0 | 0 | 1 |
| 4439 | 4 | 1 | 6 |
| 4449 | 2 | 0 | 4 |
| 4456 | 2 | 0 | 4 |
| 4463 | 4 | 1 | 6 |
| 4467 | 1 | -1 | NA |
| 4468 | 0 | 0 | 1 |
| 4469 | 1 | 0 | 3 |
| 4472 | 2 | 0 | 4 |
| 4473 | 3 | 0 | 4 |
| 4476 | 1 | 0 | 3 |
| 4500 | 1 | -1 | 3 |
| 4509 | 2 | 0 | 4 |
| 4513 | 1 | -1 | NA |
| 4521 | 0 | 0 | 1 |
| 4527 | 1 | 0 | 2 |
| 4530 | 1 | -2 | 2 |
| 4532 | 1 | 1 | 3 |
| 4533 | 2 | -1 | 3 |
| 4535 | 1 | -1 | 2 |
| 4536 | 3 | 1 | 5 |
| 4542 | 2 | 0 | 4 |
| 4551 | 1 | 0 | 3 |
| 4554 | 2 | 0 | 4 |
| 4555 | 1 | -2 | 2 |
| 4564 | 0 | 0 | 1 |
| 4572 | 1 | -1 | NA |
| 4573 | 4 | 2 | 6 |
| 4577 | 0 | -1 | 1 |
| 4579 | 3 | 1 | NA |
| 4583 | 2 | 0 | NA |
| 4584 | 4 | 1 | 5 |
| 4596 | 2 | -1 | 3 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|--------------|---------------|---------------|---------------|
| 4599 | 2 | 0 | 4 |
| 4607 | 2 | 0 | 4 |
| 4609 | 0 | -1 | 1 |
| 4610 | 0 | 0 | 1 |
| 4616 | 1 | -2 | 2 |
| 4617 | 1 | 0 | 3 |
| 4633 | 3 | 0 | 5 |
| 4638 | 2 | 0 | NA |
| 4641 | 1 | 0 | NA |
| 4653 | 4 | 2 | 6 |
| 4655 | 3 | 0 | 4 |
| 4659 | 0 | 1 | 2 |
| 4669 | 0 | -1 | 1 |
| 4678 | 0 | 0 | 1 |
| 4685 | 2 | 1 | 4 |
| 4686 | 2 | 0 | NA |
| 4691 | 0 | -1 | 1 |
| 4695 | 2 | 1 | 4 |
| 4698 | 2 | 0 | 4 |
| 4700 | 4 | 0 | 5 |
| 4711 | 2 | -1 | 3 |
| 4722 | 3 | 0 | NA |
| 4727 | 3 | -1 | 4 |
| 4756 | 4 | 1 | 6 |
| 4762 | 0 | 0 | 1 |
| 4763 | 2 | -1 | NA |
| 4766 | 4 | 0 | 5 |
| 4770 | 0 | 0 | 1 |
| 4784 | 3 | -1 | 4 |
| 4791 | 1 | 1 | 3 |
| 4795 | 3 | 1 | 5 |
| 4799 | 0 | -1 | 1 |
| 4802 | 3 | 0 | 4 |
| 4805 | 2 | 0 | 4 |
| 4814 | 2 | 1 | 4 |
| 4816 | 0 | 0 | 1 |
| 4817 | 2 | 0 | 4 |
| 4822 | 1 | 0 | 3 |
| 4827 | 1 | -1 | 2 |
| 4833 | 4 | 0 | 5 |
| 4836 | 0 | 1 | 1 |
| 4842 | 1 | 0 | NA |
| 4844 | 1 | 0 | NA |
| 4845 | 1 | -1 | 2 |
| 4849 | 3 | 0 | 4 |
| 4850 | 0 | 0 | 1 |
| 4860 | 3 | 0 | 4 |
| 4863 | 1 | 0 | 3 |
| 4871 | $\frac{2}{2}$ | 0 | $\frac{4}{4}$ |
| 4878 4881 | 2 1 | 0 | 3 |
| 4881 | 1 | $\frac{0}{2}$ | NA |
| 4000 | 1 | 4 | INA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------|----------------|----------------|
| 4900 | 4 | 2 | 6 |
| 4906 | 1 | 1 | 3 |
| 4909 | 0 | 1 | NA |
| 4916 | 2 | 1 | 4 |
| 4918 | 4 | 1 | 5 |
| 4926 | 1 | 0 | NA |
| 4928 | 1 | -1 | NA |
| 4941 | 1 | 0 | 3 |
| 4946 | 3 | 0 | 5 |
| 4949 | 0 | 0 | 1 |
| 4956 | 1 | 0 | 3 |
| 4966 | 3 | 0 | 4 |
| 4969 | 1 | 0 | 3 |
| 4973 | 2 | 0 | 4 |
| 4978 | 3 | 1 | 5 |
| 4982 | 2 | 0 | 3 |
| 4985 | 2 | 1 | 4 |
| 4991 | 1 | 1 | 3 |
| 4998 | 2 | 0 | 4 |
| 5000 | 1 | -1 | 2 |
| 5004 | 2 | 0 | NA |
| 5005 | 1 | -1 | 2 |
| 5011 | 2 | 1 | 4 |
| 5016 | 0 | 0 | 0 |
| 5018 | 3 | -1 | 4 |
| 5034 | 2 | 0 | 4 |
| 5038 | 0 | 0 | 1 |
| 5042 | 3 | $\overline{2}$ | NA |
| 5046 | 1 | 0 | 3 |
| 5051 | 0 | 0 | NA |
| 5054 | 0 | 0 | NA |
| 5057 | 3 | 0 | 4 |
| 5062 | 2 | 0 | 4 |
| 5063 | 2 | 1 | NA |
| 5065 | 1 | 0 | NA |
| 5066 | 0 | -1 | 1 |
| 5076 | 1 | -1 | 2 |
| 5089 | 2 | -1 | 3 |
| 5092 | 2 | -2 | 3 |
| 5093 | 3 | 0 | 4 |
| 5094 | 3 | 0 | 4 |
| 5098 | 2 | 0 | 4 |
| 5102 | 3 | -2 | 4 |
| 5112 | 3 | 1 | 5 |
| 5117 | 1 | 0 | 3 |
| 5127 | $\overline{2}$ | 0 | NA |
| 5130 | 1 | -1 | 2 |
| 5131 | 1 | -1 | $\overline{2}$ |
| 5132 | 2 | 0 | NA |
| 5135 | 0 | 0 | 1 |
| 5136 | 1 | 0 | NA |
| 5147 | 2 | 1 | 4 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 5157 | 2 | 0 | 4 |
| 5160 | 1 | -1 | 2 |
| 5165 | 0 | -1 | 1 |
| 5166 | 0 | 0 | 1 |
| 5172 | 1 | -1 | 2 |
| 5173 | 1 | -1 | 2 |
| 5179 | 0 | 0 | NA |
| 5184 | 3 | 1 | 5 |
| 5187 | 1 | -1 | NA |
| 5191 | 1 | 0 | 3 |
| 5193 | 0 | -1 | 1 |
| 5194 | 0 | 0 | 1 |
| 5199 | 1 | -1 | NA |
| 5212 | 0 | 0 | 1 |
| 5213 | 1 | 0 | 3 |
| 5224 | 2 | 0 | 4 |
| 5226 | 3 | 0 | 4 |
| 5239 | 3 | 1 | 5 |
| 5252 | 2 | 1 | NA |
| 5264 | 0 | 0 | 1 |
| 5266 | 1 | -2 | NA |
| 5271 | 3 | 1 | 5 |
| 5273 | 2 | 0 | 4 |
| 5276 | 2 | -2 | 3 |
| 5278 | 3 | 0 | 4 |
| 5281 | 1 | -1 | 2 |
| 5283 | 3 | 0 | 4 |
| 5291 | 0 | 2 | 2 |
| 5294 | 3 | 2 | 5 |
| 5296 | 2 | 0 | 4 |
| 5297 | 0 | 0 | 1 |
| 5313 | 2 | 0 | 4 |
| 5314 | 1 | 0 | 3 |
| 5321 | 2 | -1 | NA |
| 5325 | 2 | -1 | 4 |
| 5326 | 0 | 0 | 1 |
| 5328 | 3 | -1 | NA |
| 5334 | 1 | 0 | 3 |
| 5338 | 2 | 1 | 4 |
| 5344 | 1 | -2 | 2 |
| 5348 | 0 | -1 | 1 |
| 5352 | 0 | 0 | 1 |
| 5353 | 2 | 0 | 4 |
| 5354 | 0 | 1 | 2 |
| 5361 | 0 | -1 | NA |
| 5364 | 1 | 1 | 3 |
| 5365 | 2 | 0 | 4 |
| 5367 | 0 | -2 | 0 |
| 5379 | 3 | 1 | 5 |
| 5382 | 2 | -1 | 3 |
| 5386 | 3 | 1 | NA |
| 5395 | 2 | 0 | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 5410 | 2 | 1 | NA |
| 5411 | 1 | 1 | 3 |
| 5416 | 3 | 1 | 5 |
| 5424 | 1 | 2 | 4 |
| 5426 | 1 | 0 | 3 |
| 5428 | 0 | 0 | 1 |
| 5430 | 4 | 0 | NA |
| 5433 | 0 | 0 | 2 |
| 5437 | 2 | -1 | 3 |
| 5440 | 1 | 1 | NA |
| 5442 | 3 | 1 | 5 |
| 5445 | 1 | 0 | 3 |
| 5449 | 2 | 0 | NA |
| 5452 | 2 | 0 | 4 |
| 5460 | 0 | -1 | 1 |
| 5461 | 1 | -1 | 2 |
| 5465 | 0 | -1 | 1 |
| 5467 | 3 | 0 | NA |
| 5471 | 2 | 1 | 4 |
| 5474 | 0 | 0 | 1 |
| 5475 | 2 | -1 | NA |
| 5480 | 0 | -1 | NA |
| 5481 | 2 | 0 | 4 |
| 5484 | 0 | 0 | 1 |
| 5494 | 2 | 2 | 5 |
| 5495 | 0 | -1 | 1 |
| 5497 | 0 | 0 | 2 |
| 5499 | 2 | -1 | 3 |
| 5507 | 0 | 0 | 1 |
| 5510 | 1 | 1 | 3 |
| 5515 | 0 | 0 | 1 |
| 5516 | 1 | -2 | 2 |
| 5517 | 0 | -1 | 1 |
| 5524 | 3 | 0 | 4 |
| 5530 | 3 | 2 | 5 |
| 5534 | 1 | -1 | 3 |
| 5543 | 0 | 0 | 1 |
| 5545 | 1 | 0 | 3 |
| 5558 | 2 | 0 | 4 |
| 5562 | 0 | 0 | 1 |
| 5573 | 4 | 2 | 6 |
| 5581 | 3 | 0 | 4 |
| 5583 | 3 | 1 | 5 |
| 5587 | 3 | -1 | 4 |
| 5589 | 1 | -1 | 2 |
| 5591 | 4 | 1 | 5 |
| 5596 | 1 | 0 | 3 |
| 5606 | 3 | 0 | 4 |
| 5608 | 2 | 1 | 4 |
| 5611 | 2 | -1 | 3 |
| 5612 | 2 | 1 | 4 |
| 5614 | 3 | 0 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------|----------------------|----------------|
| 5620 | 2 | 0 | 4 |
| 5623 | 3 | 1 | 5 |
| 5624 | 1 | 2 | 4 |
| 5626 | 3 | 2 | 5 |
| 5633 | 0 | -2 | 1 |
| 5635 | 2 | -1 | 3 |
| 5640 | 2 | 1 | NA |
| 5643 | 1 | 0 | NA |
| 5644 | 4 | 1 | 6 |
| 5653 | 3 | 1 | 5 |
| 5663 | 3 | 0 | NA |
| 5664 | 3 | 1 | 5 |
| 5667 | 1 | -1 | 2 |
| 5671 | 0 | 0 | 1 |
| 5673 | 2 | 0 | 4 |
| 5676 | 2 | -2 | 3 |
| 5678 | 1 | 0 | 3 |
| 5698 | 1 | -1 | 2 |
| 5700 | 4 | 1 | 5 |
| 5705 | 2 | 0 | $\overline{4}$ |
| 5706 | $\overline{2}$ | $\overset{\circ}{2}$ | NA |
| 5711 | 0 | 0 | NA |
| 5712 | 3 | 1 | 5 |
| 5716 | 2 | -1 | 3 |
| 5719 | 1 | 1 | 3 |
| 5725 | 1 | -1 | NA |
| 5728 | 4 | 2 | 6 |
| 5734 | 0 | - -1 | 1 |
| 5735 | 3 | 0 | 5 |
| 5743 | 1 | -1 | 3 |
| 5754 | 0 | -1 | 1 |
| 5755 | 1 | 0 | NA |
| 5756 | 2 | 1 | NA |
| 5766 | 1 | 0 | 3 |
| 5770 | 2 | 0 | 4 |
| 5774 | 0 | 0 | 1 |
| 5775 | 1 | -1 | 2 |
| 5776 | 2 | 0 | 4 |
| 5778 | 4 | 1 | 5 |
| 5786 | 2 | -1 | 3 |
| 5787 | 2 | 0 | 4 |
| 5791 | 3 | 1 | 5 |
| 5794 | 2 | -1 | NA |
| 5803 | 1 | 0 | 3 |
| 5804 | 1 | 1 | NA |
| 5804 | 0 | 1 | 2 |
| 5810 | 2 | 0 | 4 |
| 5813 | $\frac{2}{2}$ | 0 | 4 |
| 5828 | 2 | -1 | 3 |
| 5839 | 4 | 1 | 6 |
| 5842 | 3 | 0 | 4 |
| 5843 | 2 | -1 | 3 |
| 9049 | ك | - T | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|----------------|
| 5844 | 2 | 0 | 4 |
| 5847 | 1 | 0 | 3 |
| 5851 | 1 | -1 | 2 |
| 5854 | 3 | -1 | NA |
| 5857 | 0 | 0 | 1 |
| 5866 | 0 | -2 | 1 |
| 5874 | 0 | 0 | NA |
| 5886 | 2 | 0 | NA |
| 5895 | 1 | 0 | 2 |
| 5897 | 1 | -1 | 2 |
| 5898 | 1 | 0 | 3 |
| 5900 | 0 | 1 | 1 |
| 5902 | 0 | 1 | $\overline{2}$ |
| 5908 | 0 | 0 | 1 |
| 5909 | 1 | 0 | 3 |
| 5912 | $\overline{4}$ | 1 | 6 |
| 5913 | 0 | 0 | 1 |
| 5917 | 4 | 0 | 5 |
| 5918 | 1 | 0 | 3 |
| 5921 | 3 | -1 | NA |
| 5931 | 0 | -2 | 1 |
| 5942 | $\overset{\circ}{2}$ | 0 | 4 |
| 5943 | $\frac{2}{2}$ | -1 | NA |
| 5950 | 2 | 0 | NA |
| 5954 | 0 | 0 | 1 |
| 5983 | $\overset{\circ}{2}$ | -1 | NA |
| 5995 | 1 | 0 | NA |
| 6002 | 1 | 0 | 3 |
| 6005 | 2 | 0 | 4 |
| 6009 | 4 | $\overset{\circ}{2}$ | 6 |
| 6011 | 1 | -1 | NA |
| 6012 | 4 | 0 | 5 |
| 6019 | 0 | -1 | NA |
| 6021 | 1 | 1 | 3 |
| 6029 | 3 | 1 | NA |
| 6036 | 2 | 1 | NA |
| 6037 | 1 | 0 | 3 |
| 6038 | 0 | -1 | 1 |
| 6043 | 1 | 1 | 2 |
| 6045 | 3 | 0 | 4 |
| 6047 | 0 | -1 | 1 |
| 6048 | 1 | 0 | 3 |
| 6061 | 2 | 0 | 4 |
| 6063 | 1 | 1 | 3 |
| 6064 | 3 | 1 | 4 |
| 6068 | 3 | 0 | 4 |
| 6069 | 0 | 0 | 1 |
| 6070 | $\frac{0}{2}$ | 0 | 4 |
| 6071 | 3 | 1 | 5 |
| 6074 | 3 | 0 | NA |
| 6079 | 2 | 0 | 4 |
| 6082 | 1 | 0 | NA |
| 3002 | - | • | 1,11 |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|---------------|-------------|--------|
| 6088 | 3 | 0 | 4 |
| 6094 | 1 | 0 | 3 |
| 6095 | 0 | 0 | 1 |
| 6098 | 1 | 0 | 3 |
| 6102 | 2 | 0 | NA |
| 6105 | 0 | 0 | 1 |
| 6113 | 4 | 1 | NA |
| 6116 | 1 | 0 | 3 |
| 6120 | 0 | 0 | 1 |
| 6121 | 1 | -1 | 2 |
| 6126 | 2 | -2 | 3 |
| 6144 | 2 | 1 | 4 |
| 6145 | 2 | 1 | 4 |
| 6153 | 1 | -1 | 2 |
| 6156 | 2 | 0 | NA |
| 6159 | 3 | 0 | 4 |
| 6162 | 0 | 1 | NA |
| 6184 | 1 | -1 | 3 |
| 6188 | 1 | 0 | 3 |
| 6189 | 2 | -1 | 3 |
| 6191 | 1 | -1 | NA |
| 6211 | 0 | 1 | 2 |
| 6216 | 2 | 0 | 4 |
| 6218 | 0 | -1 | 1 |
| 6222 | 0 | 0 | 1 |
| 6235 | 2 | -1 | 3 |
| 6245 | 0 | -1 | 1 |
| 6248 | 2 | 0 | 4 |
| 6253 | 2 | 0 | 4 |
| 6256 | 0 | 1 | 2 |
| 6257 | 2 | 1 | 4 |
| 6259 | 0 | -2 | NA |
| 6266 | 2 | 1 | 4 |
| 6268 | 2 | 0 | NA |
| 6275 | 0 | -2 | 0 |
| 6280 | 1 | 0 | 3 |
| 6283 | 1 | -1 | NA |
| 6288 | 4 | 0 | NA |
| $6289 \\ 6301$ | $\frac{1}{2}$ | -1 2 | 2 5 |
| 6308 | $\frac{2}{2}$ | 1 | 4 |
| 6314 | $\frac{2}{2}$ | 0 | 4 |
| 6314 | 0 | -1 | 1 |
| 6316 | $\frac{0}{2}$ | 0 | 4 |
| 6317 | 1 | 0 | 3 |
| 6318 | 3 | -2 | 4 |
| 6323 | 3 | -2 -1 | 4 |
| 6329 | 3 | -1 -1 | 4 |
| 6336 | 0 | -1 | 1 |
| 6341 | 2 | 1 | 4 |
| 6348 | 3 | -1 | 4 |
| 6349 | 2 | 1 | NA |
| 3310 | _ | _ | 1111 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|----------------|
| 6365 | 0 | 0 | 1 |
| 6372 | 2 | 0 | 4 |
| 6376 | 1 | 0 | NA |
| 6378 | 0 | 0 | 2 |
| 6379 | 2 | 1 | NA |
| 6382 | 0 | -1 | 1 |
| 6383 | 2 | -1 | 3 |
| 6389 | 3 | 1 | 5 |
| 6390 | 1 | -2 | NA |
| 6392 | 3 | 0 | 5 |
| 6394 | 0 | 1 | 2 |
| 6402 | 0 | 1 | 1 |
| 6404 | 1 | 2 | 4 |
| 6405 | 1 | -1 | 2 |
| 6406 | 0 | 0 | $\frac{1}{1}$ |
| 6409 | 4 | 0 | NA |
| 6410 | 3 | 1 | 4 |
| 6411 | 2 | 0 | $\overline{4}$ |
| 6421 | 3 | 1 | 5 |
| 6428 | 4 | $\stackrel{-}{2}$ | 6 |
| 6429 | 1 | - -1 | 2 |
| 6432 | 3 | 0 | 4 |
| 6436 | 0 | -1 | NA |
| 6437 | $\overset{\circ}{2}$ | 0 | 4 |
| 6438 | 0 | $\overset{\circ}{2}$ | 2 |
| 6445 | 1 | 0 | 3 |
| 6447 | 3 | 0 | NA |
| 6450 | 2 | 1 | 4 |
| 6462 | 2 | 1 | 4 |
| 6467 | 2 | 0 | 4 |
| 6478 | 2 | 0 | 4 |
| 6484 | 2 | 1 | 4 |
| 6492 | 2 | 1 | 4 |
| 6497 | 3 | 2 | NA |
| 6504 | 2 | -1 | 3 |
| 6505 | 0 | -1 | 1 |
| 6513 | 2 | -1 | 3 |
| 6525 | 4 | 0 | 5 |
| 6526 | 2 | 1 | NA |
| 6528 | 1 | -1 | 2 |
| 6540 | 0 | 1 | NA |
| 6542 | 0 | 1 | NA |
| 6544 | 3 | 1 | 5 |
| 6548 | 2 | 0 | 4 |
| 6552 | 2 | -1 | NA |
| 6558 | 2 | 0 | 4 |
| 6567 | 2 | -2 | 3 |
| 6569 | 3 | 0 | 4 |
| 6572 | 4 | 1 | 5 |
| 6577 | 3 | 2 | 5 |
| 6581 | 2 | -1 | 4 |
| 6588 | 2 | -1 | 3 |
| 0000 | - | ± | 9 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 6591 | 0 | 1 | 2 |
| 6594 | 1 | -1 | 2 |
| 6600 | 2 | 2 | 5 |
| 6602 | 1 | 1 | NA |
| 6604 | 1 | 0 | 2 |
| 6605 | 2 | 0 | 4 |
| 6614 | 1 | -1 | NA |
| 6616 | 0 | -2 | NA |
| 6621 | 0 | 0 | 2 |
| 6640 | 3 | 0 | 5 |
| 6641 | 2 | -1 | NA |
| 6643 | 1 | 0 | 3 |
| 6644 | 0 | -1 | NA |
| 6649 | 1 | -2 | 2 |
| 6650 | 2 | 0 | NA |
| 6655 | 4 | 1 | 5 |
| 6661 | 1 | -1 | 2 |
| 6672 | 4 | 0 | 5 |
| 6677 | 0 | -1 | NA |
| 6688 | 1 | 0 | 3 |
| 6689 | 3 | 1 | NA |
| 6691 | 1 | -1 | NA |
| 6692 | 2 | 1 | 4 |
| 6694 | 3 | -1 | 4 |
| 6702 | 1 | -1 | NA |
| 6714 | 0 | 0 | NA |
| 6716 | 3 | 1 | 5 |
| 6724 | 2 | 0 | 3 |
| 6725 | 0 | -1 | 1 |
| 6730 | 2 | 0 | 4 |
| 6735 | 1 | 0 | 3 |
| 6738 | 1 | 0 | 3 |
| 6739 | 1 | 0 | 3 |
| 6743 | 2 | 0 | 4 |
| 6747 | 1 | 0 | 3 |
| 6750 | 4 | 2 | 6 |
| 6751 | 2 | -1 | NA |
| 6753 | 3 | 0 | 4 |
| 6754 | 1 | 1 | 3 |
| 6755 | 0 | -2 | 1 |
| 6762 | 2 | 0 | 4 |
| 6764 | 2 | 0 | 4 |
| 6772 | 0 | 1 | 2 |
| 6774 | 0 | -1 | 1 |
| 6787 | 2 | -2 | 3 |
| 6789 | 2 | 0 | 4 |
| 6793 | 3 | 0 | 4 |
| 6798 | 0 | 1 | 2 |
| 6799 | 0 | 1 | 2 |
| 6800 | 2 | 0 | 4 |
| 6802 | 0 | -1 | NA |
| 6808 | 0 | -1 | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|--------------|---------------|-------------|---------|
| 6809 | 2 | 0 | 4 |
| 6812 | 2 | 1 | NA |
| 6814 | 1 | 0 | NA |
| 6816 | 1 | -1 | 2 |
| 6822 | 0 | 0 | 1 |
| 6829 | 2 | 0 | NA |
| 6834 | 1 | -1 | 2 |
| 6836 | 3 | 0 | 5 |
| 6839 | 3 | -1 | NA |
| 6840 | 0 | -1 | NA |
| 6843 | 0 | 1 | 2 |
| 6846 | 1 | -1 | 2 |
| 6848 | 0 | -1 | 1 |
| 6852 | 1 | -1 | NA |
| 6856 | 4 | 1 | 5 |
| 6860 | 2 | 1 | 4 |
| 6866 | 3 | 0 | 5 |
| 6870 | 3 | 0 | 4 |
| 6878 | 0 | 1 | NA |
| 6880 | 3 | 1 | 5 |
| 6885 | 2 | 2 | NA |
| 6897 | 3 | 0 | 4 |
| 6902 | 3 | -1 | 4 |
| 6904 | 3 | 0 | 4 |
| 6907 | 3 | 0 | 4 |
| 6909 | 0 | 1 | 2 |
| 6914 | 1 | -2 | 2 |
| 6915 | 2 | 2 | 5 |
| 6922 | 0 | -1 | 1 |
| 6924 | 1 | -1 | 2 |
| 6933 | 2 | 0 | 4 |
| 6934 | 2 | 1 | 4 |
| 6941 | 2 | 0 | 4 |
| 6957 | 1 | 0 | NA |
| 6960 | 1 | 2 | 4 |
| 6969 | 0 | 0 | NA |
| 6975 | 1 | 0 | 3 |
| 6980 | 0 | -1 | 1 |
| 6983 | 0 | -1 | 1 |
| 6987 | 2 | -2 | 3 |
| 6994 | 1 | 1 | 3 |
| 6997 | 2 | 1 | 5 |
| 7002 | 1 | 1 | 3 |
| 7010 | 1 | -1 | 2 |
| 7015 | 1 | 1 | NA |
| 7019 | 1 | 0 | 3 |
| 7022 | 2 | 1 | NA |
| 7025 | 1 | -1 | 2 |
| 7029 | 1 | 2 | 4 |
| 7031 7037 | 1 | -1 -1 | 2 NA |
| 7037 7038 | $\frac{1}{2}$ | 0 | NA 4 |
| 1099 | <i>L</i> | U | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------|----------------------|
| 7043 | 0 | -2 | 1 |
| 7049 | 1 | 1 | 3 |
| 7052 | 1 | 1 | 3 |
| 7053 | 3 | 0 | 4 |
| 7056 | 2 | -1 | 3 |
| 7057 | 3 | 0 | 4 |
| 7080 | 0 | 0 | NA |
| 7086 | 0 | -1 | 1 |
| 7087 | 2 | 0 | 4 |
| 7105 | 2 | 0 | NA |
| 7108 | 2 | -2 | NA |
| 7121 | 0 | -2 | 0 |
| 7122 | 1 | -1 | 2 |
| 7125 | 0 | 0 | 1 |
| 7132 | 1 | 1 | 3 |
| 7134 | 2 | 0 | 3 |
| 7151 | 1 | 0 | NA |
| 7152 | 3 | -1 | 4 |
| 7157 | 1 | 0 | 3 |
| 7159 | 0 | 0 | 1 |
| 7166 | 0 | 1 | 1 |
| 7167 | 0 | 0 | 1 |
| 7177 | 1 | 0 | 3 |
| 7179 | 0 | -1 | 1 |
| 7181 | 0 | $\overline{2}$ | $\stackrel{-}{2}$ |
| 7183 | $\overset{\circ}{2}$ | $\overline{2}$ | 5 |
| 7186 | 2 | 0 | 4 |
| 7193 | 3 | 1 | 5 |
| 7205 | 2 | -1 | NA |
| 7207 | 0 | 0 | 1 |
| 7209 | 3 | 0 | 4 |
| 7216 | 0 | 1 | NA |
| 7232 | 1 | 0 | NA |
| 7235 | 0 | -1 | NA |
| 7238 | 1 | 0 | 3 |
| 7240 | 1 | -1 | 2 |
| 7243 | 0 | -1 | 0 |
| 7252 | 1 | -1 | $\overset{\circ}{2}$ |
| 7269 | 1 | -1 | 2 |
| 7275 | 2 | 0 | NĀ |
| 7281 | 1 | 0 | NA |
| 7283 | 0 | -2 | 1 |
| 7287 | 3 | 2 | 5 |
| 7289 | 3 | 2 | 6 |
| 7291 | 3 | 0 | NA |
| 7294 | 0 | 2 | NA |
| 7304 | 3 | 1 | 5 |
| 7304 | 2 | 1 | 4 |
| 7313 | 2 | -1 | 3 |
| 7319 | 0 | 0 | 1 |
| 7325 | 0 | -1 | NA |
| 7326 | 1 | 0 | 3 |
| .020 | - | ~ | 0 |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|---------------|-------------|---------------|
| 7330 | 3 | 1 | 5 |
| 7332 | 2 | 1 | 4 |
| 7337 | 0 | -1 | 1 |
| 7341 | 0 | 0 | 1 |
| 7346 | 3 | -1 | 4 |
| 7353 | 0 | -2 | 1 |
| 7354 | 3 | 0 | 5 |
| 7361 | 0 | 0 | NA |
| 7366 | 0 | 1 | 2 |
| 7368 | 3 | 1 | 5 |
| 7372 | 3 | 0 | 4 |
| 7375 | 2 | -1 | 3 |
| 7377 | 3 | 2 | 5 |
| 7380 | 0 | 1 | 2 |
| 7382 | 3 | 0 | NA |
| 7385 | 1 | 0 | 3 |
| 7392 | 1 | 0 | 3 |
| 7395 | 2 | 1 | 4 |
| 7397 | 3 | -1 | 4 |
| 7403 | 3 | -1 | 4 |
| 7406 | 3 | -1 | NA |
| 7409 | 0 | 0 | 1 |
| 7410 | 2 | 0 | 4 |
| 7412 | 2 | 1 | 4 |
| 7419 | 2 | -1 | 3 |
| 7425 | 2 | -1 | 4 |
| 7435 | 4 | 2 | 6 |
| 7438 | 2 | 0 | 4 |
| 7440 | 2 | 1 | 4 |
| 7447 | 2 | -1 | NA |
| 7449 | 2 | -2 | NA |
| 7456 | 3 | -1 | 4 |
| 7464 | 2 | 0 | 4 |
| 7478 | 1 | -1 | NA |
| 7480 | 2 | -1 | NA |
| 7481 | 3 | 1 | 5 |
| 7483 7484 | $\frac{2}{0}$ | 0 -1 | $\frac{4}{1}$ |
| 7491 | 3 | 0 | 4 |
| 7491 7494 | 3 1 | -1 | 2 |
| 7501 | 1 | -1 -1 | NA |
| 7501 | 2 | 0 | NA NA |
| 7509 | 1 | -1 | $\frac{1}{2}$ |
| 7503 | 0 | 1 | 1 |
| 7518 | 4 | 1 | 6 |
| 7518 | 1 | -2 | 2 |
| 7519 | 3 | 1 | NA |
| $7521 \\ 7522$ | 1 | -1 | NA |
| 7536 | 2 | 0 | 4 |
| 7539 | 0 | -1 | 1 |
| 7547 | 3 | 2 | 5 |
| 7549 | 1 | 0 | 3 |
| . 5 10 | - | ~ | 0 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 7552 | 1 | 0 | NA |
| 7554 | 0 | -1 | NA |
| 7556 | 2 | 0 | 4 |
| 7564 | 2 | 0 | NA |
| 7566 | 0 | 0 | 1 |
| 7570 | 3 | 0 | 4 |
| 7571 | 1 | 1 | 3 |
| 7572 | 2 | 0 | 4 |
| 7575 | 1 | -1 | 2 |
| 7586 | 2 | 1 | 3 |
| 7589 | 3 | 1 | 5 |
| 7590 | 1 | 0 | 3 |
| 7597 | 2 | 0 | 4 |
| 7602 | 2 | 1 | 4 |
| 7604 | 3 | 0 | 4 |
| 7605 | 1 | 0 | 3 |
| 7612 | 1 | 0 | 3 |
| 7615 | 3 | 0 | 4 |
| 7617 | 1 | 0 | NA |
| 7624 | 2 | 0 | 4 |
| 7632 | 3 | 0 | 4 |
| 7639 | 2 | 1 | 4 |
| 7642 | 1 | 1 | 3 |
| 7643 | 2 | 0 | 4 |
| 7649 | 2 | 0 | 4 |
| 7650 | 0 | -1 | NA |
| 7653 | 2 | 0 | 4 |
| 7654 | 1 | 1 | NA |
| 7657 | 3 | 1 | 5 |
| 7662 | 0 | -1 | 1 |
| 7669 | 2 | 0 | 4 |
| 7671 | 1 | 0 | 3 |
| 7675 | 0 | 0 | 1 |
| 7678 | 3 | 0 | 4 |
| 7682 | 3 | 0 | NA |
| 7688 | 0 | -1 | 1 |
| 7689 | 0 | -1 | 1 |
| 7690 | 3 | 1 | 5 |
| 7692 | 1 | 0 | 3 |
| 7699 | 0 | 1 | 2 |
| 7705 | 2 | -1 | 3 |
| 7712 | 3 | -1 | NA |
| 7726 | 2 | 1 | 4 |
| 7728 | 1 | -2 | NA |
| 7735 | 2 | 1 | 4 |
| 7737 | 1 | -1 | 2 |
| 7739 | 2 | 0 | 3 |
| 7743 | 0 | 1 | 2 |
| 7744 | 2 | 2 | NA |
| 7746 | 1 | -1 | 2 |
| 7749 | 0 | -1 | 1 |
| 7750 | 3 | 0 | 5 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------|----------------------|--------|
| 7752 | 2 | 0 | 4 |
| 7755 | 3 | 1 | 5 |
| 7756 | 2 | 0 | NA |
| 7762 | 3 | 0 | NA |
| 7764 | 0 | 1 | 1 |
| 7769 | 1 | -1 | 2 |
| 7770 | 1 | -1 | 2 |
| 7776 | 3 | 1 | 5 |
| 7778 | 3 | 1 | 5 |
| 7784 | 1 | -1 | 2 |
| 7786 | 2 | -1 | NA |
| 7789 | 2 | -1 | 3 |
| 7793 | 2 | 1 | 4 |
| 7794 | 0 | -1 | 1 |
| 7804 | 2 | -1 | NA |
| 7811 | 2 | 1 | NA |
| 7813 | 1 | 0 | 3 |
| 7815 | 1 | 1 | 3 |
| 7817 | 0 | 0 | 1 |
| 7818 | 2 | 0 | NA |
| 7821 | $\overline{4}$ | 1 | 6 |
| 7825 | 3 | -1 | 4 |
| 7830 | 3 | 1 | 5 |
| 7832 | 2 | 0 | NA |
| 7835 | 0 | 0 | NA |
| 7839 | 3 | $\overset{\circ}{2}$ | 5 |
| 7842 | 3 | <u>-</u> 1 | 5 |
| 7849 | 3 | 0 | 5 |
| 7856 | 1 | -1 | NA |
| 7857 | 1 | -1 | 2 |
| 7863 | 2 | 1 | 4 |
| 7866 | 3 | 0 | 5 |
| 7871 | 2 | -1 | 3 |
| 7875 | 1 | -1 | NA |
| 7882 | 1 | -1 | 2 |
| 7887 | 1 | 0 | 2 |
| 7888 | 3 | -1 | 4 |
| 7891 | 1 | -2 | 2 |
| 7895 | 2 | 1 | NĀ |
| 7901 | 3 | 0 | 4 |
| 7906 | 1 | -1 | 2 |
| 7908 | 0 | 0 | 1 |
| 7917 | 1 | -2 | 2 |
| 7924 | 1 | 0 | 3 |
| 7948 | 2 | 0 | 4 |
| 7950 | 4 | 1 | 6 |
| 7955 | 1 | 0 | 2 |
| 7957 | 0 | 1 | 2 |
| 7959 | 1 | -1 | NĀ |
| 7967 | 4 | 0 | 5 |
| 7969 | 1 | 0 | NA |
| 7971 | 2 | 1 | 4 |
| • | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 7974 | 2 | -1 | 3 |
| 7976 | 1 | 0 | NA |
| 7986 | 4 | 1 | 6 |
| 7987 | 0 | -1 | 1 |
| 7993 | 3 | 0 | 4 |
| 7996 | 2 | 0 | 4 |
| 7998 | 1 | 1 | 3 |
| 8018 | 3 | -1 | 4 |
| 8019 | 1 | -1 | NA |
| 8027 | 0 | -1 | NA |
| 8036 | 0 | 0 | 1 |
| 8040 | 2 | 1 | 4 |
| 8044 | 1 | 2 | 4 |
| 8050 | 2 | -1 | 4 |
| 8052 | 0 | 0 | 1 |
| 8054 | 0 | 1 | 2 |
| 8057 | 2 | 0 | 4 |
| 8058 | 3 | 0 | 5 |
| 8059 | 1 | 0 | NA |
| 8066 | 3 | -2 | 4 |
| 8070 | 3 | 2 | 6 |
| 8072 | 3 | 2 | 5 |
| 8078 | 1 | -1 | 2 |
| 8079 | 2 | -1 | 3 |
| 8080 | 3 | 0 | 4 |
| 8081 | 3 | 0 | 4 |
| 8088 | 0 | 0 | 1 |
| 8091 | 1 | 0 | 2 |
| 8094 | 1 | 0 | 2 |
| 8095 | 1 | -1 | NA |
| 8099 | 3 | 0 | 4 |
| 8101 | 3 | 1 | 5 |
| 8102 | 3 | 1 | 5 |
| 8116 | 3 | 0 | 5 |
| 8125 | 3 | 0 | 4 |
| 8134 | 0 | 2 | 2 |
| 8139 | 0 | 1 | 2 |
| 8141 | 2 | 1 | 4 |
| 8147 | 1 | 0 | 3 |
| 8158 | 4 | 1 | NA |
| 8160 | 1 | -1 | 2 |
| 8165 | 2 | -1 | NA |
| 8187 | 1 | -1 | 2 |
| 8205 | 0 | 0 | NA |
| 8209 | 1 | 1 | 3 |
| 8211 | 2 | 0 | NA |
| 8232 | 2 | 0 | 4 |
| 8236 | 2 | 1 | 4 |
| 8237 | 3 | 1 | 5 |
| 8238 | 4 | 1 | 6 |
| 8245 | 3 | 0 | 4 |
| 8256 | 1 | 0 | NA |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 8268 | 3 | -1 | NA |
| 8269 | 1 | -1 | 2 |
| 8270 | 2 | 1 | NA |
| 8286 | 1 | 0 | 2 |
| 8289 | 2 | 0 | NA |
| 8301 | 3 | -1 | 4 |
| 8305 | 0 | -1 | 1 |
| 8310 | 1 | 0 | 3 |
| 8312 | 0 | -2 | NA |
| 8318 | 3 | 1 | 5 |
| 8321 | 3 | 0 | 4 |
| 8328 | 0 | 1 | NA |
| 8331 | 2 | 1 | NA |
| 8334 | 1 | 0 | NA |
| 8344 | 2 | 0 | 4 |
| 8345 | 1 | -1 | 2 |
| 8352 | 3 | 0 | 5 |
| 8358 | 2 | 0 | NA |
| 8359 | 1 | -1 | NA |
| 8360 | 1 | -1 | 2 |
| 8365 | 2 | -1 | 3 |
| 8366 | 2 | -1 | 3 |
| 8369 | 3 | 1 | 5 |
| 8373 | 3 | 1 | 5 |
| 8378 | 2 | 0 | 4 |
| 8392 | 2 | -1 | 3 |
| 8397 | 2 | -1 | 3 |
| 8399 | 1 | -1 | 2 |
| 8400 | 1 | 1 | 3 |
| 8405 | 1 | 0 | 3 |
| 8406 | 2 | 1 | 4 |
| 8410 | 0 | 1 | 2 |
| 8413 | 3 | 0 | 4 |
| 8414 | 0 | -1 | 1 |
| 8416 | 4 | 1 | NA |
| 8426 | 1 | -1 | 2 |
| 8434 | 2 | 1 | 4 |
| 8439 | 0 | 2 | NA |
| 8440 | 0 | -2 | 1 |
| 8475 | 3 | 0 | 4 |
| 8480 | 3 | 1 | 5 |
| 8497 | 1 | -1 | 2 |
| 8499 | 0 | 1 | 1 |
| 8500 | 1 | 1 | 3 |
| 8501 | 2 | -1 | 4 |
| 8502 | 2 | -1 | NA |
| 8518 | 2 | 2 | 5 |
| 8520 | 2 | 0 | 4 |
| 8523 | 2 | 1 | 4 |
| 8525 | 0 | -2 | 0 |
| 8532 | 1 | 0 | NA |
| 8535 | 1 | 0 | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 8543 | 0 | 0 | 1 |
| 8554 | 0 | 1 | 2 |
| 8560 | 4 | 0 | 5 |
| 8561 | 4 | -1 | 5 |
| 8563 | 0 | -1 | 1 |
| 8566 | 0 | 0 | 1 |
| 8570 | 2 | 0 | 4 |
| 8572 | 3 | -1 | 4 |
| 8582 | 1 | -1 | 1 |
| 8583 | 0 | -1 | 1 |
| 8587 | 0 | 0 | 1 |
| 8592 | 1 | -1 | 2 |
| 8593 | 0 | 1 | 2 |
| 8607 | 0 | -1 | 1 |
| 8609 | 2 | 1 | 4 |
| 8610 | 2 | 0 | NA |
| 8614 | 2 | 0 | NA |
| 8616 | 4 | 0 | 5 |
| 8622 | 4 | -1 | 5 |
| 8623 | 2 | 0 | 4 |
| 8624 | 0 | -1 | 1 |
| 8633 | 4 | 1 | 6 |
| 8641 | 3 | 2 | NA |
| 8644 | 4 | 1 | 6 |
| 8649 | 2 | 1 | 4 |
| 8653 | 1 | 0 | 3 |
| 8657 | 3 | 2 | 5 |
| 8658 | 1 | 0 | 3 |
| 8663 | 2 | 0 | 4 |
| 8672 | 1 | -1 | 2 |
| 8680 | 0 | -1 | 1 |
| 8684 | 1 | 0 | 3 |
| 8687 | 0 | 0 | 1 |
| 8688 | 2 | 0 | 4 |
| 8690 | 2 | 0 | 4 |
| 8712 | 0 | 1 | 0 |
| 8717 | 1 | 1 | 3 |
| 8730 | 3 | 1 | 5 |
| 8739 | 2 | 0 | 4 |
| 8744 | 2 | 1 | 4 |
| 8747 | 3 | 1 | 5 |
| 8748 | 3 | 0 | 4 |
| 8751 | 2 | -1 | 4 |
| 8758 | 2 | 0 | 4 |
| 8761 | 0 | -1 | NA |
| 8763 | 0 | 1 | 2 |
| 8764 | 2 | 0 | 4 |
| 8765 | 3 | 2 | 5 |
| 8773 | 4 | 0 | NA |
| 8780 | 1 | 0 | 3 |
| 8781 | 2 | -1 | 3 |
| 8782 | 2 | 0 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|-------------|----------------------|
| 8785 | 0 | 0 | 0 |
| 8786 | 1 | 1 | NA |
| 8797 | 0 | -1 | 1 |
| 8799 | 3 | 0 | 4 |
| 8807 | 0 | -1 | NA |
| 8816 | 2 | 0 | NA |
| 8817 | 3 | -1 | 4 |
| 8826 | 3 | 1 | NA |
| 8833 | 1 | 0 | 3 |
| 8834 | 1 | 0 | NA |
| 8835 | 1 | -1 | NA |
| 8840 | 3 | 1 | 5 |
| 8843 | 1 | 1 | 3 |
| 8849 | 2 | -1 | 3 |
| 8855 | 1 | 1 | 3 |
| 8861 | 1 | 0 | 3 |
| 8862 | 3 | 0 | 4 |
| 8865 | 3 | -2 | NA |
| 8868 | 4 | 0 | 5 |
| 8870 | 2 | 1 | 4 |
| 8880 | $\overline{2}$ | 1 | NA |
| 8885 | 0 | 0 | 1 |
| 8894 | 0 | 0 | 2 |
| 8895 | 3 | 0 | $\overline{4}$ |
| 8899 | 3 | 0 | 5 |
| 8912 | 0 | 0 | 2 |
| 8922 | 1 | -1 | 2 |
| 8924 | 2 | -1 | NA |
| 8928 | 2 | 0 | 4 |
| 8932 | 0 | 1 | 2 |
| 8943 | 3 | 1 | 5 |
| 8945 | 4 | 1 | NA |
| 8946 | 2 | 1 | 4 |
| 8954 | 1 | 0 | 3 |
| 8958 | 2 | 0 | NA |
| 8960 | 0 | -1 | 1 |
| 8965 | 1 | 0 | 2 |
| 8966 | 2 | 1 | 4 |
| 8967 | 1 | -1 | 2 |
| 8969 | 2 | -1 | 3 |
| 8980 | 3 | 0 | NA |
| 8984 | 3 | 0 | NA |
| 8985 | 1 | 0 | NA |
| 8988 | 1 | 0 | NA |
| 8989 | 2 | 1 | 4 |
| 8995 | 0 | 0 | 1 |
| 9004 | 1 | 1 | 3 |
| 9010 | 1 | 0 | NA |
| 9012 | 0 | 0 | 1 |
| 9018 | $\overset{\circ}{2}$ | 0 | 4 |
| 9036 | 0 | -2 | 0 |
| 9037 | 1 | -1 | $\overset{\circ}{2}$ |
| 0001 | - | - | _ |

| INDEX | STARS | LabelAppeal | TARGET |
|----------------|---------------|-------------|--------|
| 9040 | 0 | 1 | NA |
| 9041 | 2 | 2 | 5 |
| 9044 | 4 | 1 | 5 |
| 9045 | 1 | 0 | NA |
| 9047 | 1 | 0 | 3 |
| 9049 | 0 | 0 | NA |
| 9061 | 0 | 0 | 2 |
| 9062 | 1 | 0 | 3 |
| 9076 | 2 | 0 | 4 |
| 9079 | 1 | -1 | 2 |
| 9081 | 2 | 0 | 4 |
| 9082 | 2 | 1 | 4 |
| 9089 | 0 | -1 | 1 |
| 9092 | 2 | -1 | 3 |
| 9094 | 0 | 1 | NA |
| 9115 | 0 | 0 | 1 |
| 9117 | 3 | 0 | 4 |
| 9118 | 1 | 0 | 3 |
| 9120 | 0 | -1 | 1 |
| 9124 | 1 | 0 | NA |
| 9128 | 0 | -2 | NA |
| 9135 | 0 | 0 | 1 |
| 9136 | 1 | 0 | 3 |
| 9138 | 3 | 0 | 4 |
| 9157 | 3 | 0 | NA |
| 9176 | 0 | 0 | 1 |
| 9183 | 0 | 0 | 1 |
| 9187 | 1 | 0 | 3 |
| 9188 | 0 | -1 | 1 |
| 9190 | 3 | 0 | 4 |
| 9197 | 2 | 0 | NA |
| 9200 | 3 | -1 | 4 |
| 9201 | 0 | 0 | 1 |
| 9203 | 0 | 0 | 1 |
| 9212 | 2 | 0 | 4 |
| 9213 | 0 | -1 | 1 |
| 9214 | 3 | 0 | NA |
| 9217 | 1 | 1 | 3 |
| 9219 | 1 | 1 | 3 |
| 9220 | 3 | 1 | 5 |
| 9221 | 4 | 1 | 5 |
| 9237 | 0 | 0 | 1 |
| 9240 | 2 | 1 | 4 |
| 9241 | 1 | -1 | 3 |
| 9248 | 2 | -1 | 4 |
| 9253 | 4 | 2 | 6 |
| 9259 | 2 | 1 | 4 |
| 9267 | 0 | 1 | 2 |
| 9271 | 1 | 0 | 3 |
| $9273 \\ 9285$ | 0 4 | -1 1 | 0 5 |
| 9285 9290 | $\frac{4}{2}$ | 0 | NA |
| 9290 | <i>L</i> | U | INA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 9291 | 2 | 0 | 4 |
| 9293 | 0 | 0 | 1 |
| 9294 | 2 | 0 | 4 |
| 9301 | 2 | -1 | 4 |
| 9302 | 3 | 0 | NA |
| 9312 | 1 | 0 | 3 |
| 9316 | 2 | 0 | 4 |
| 9319 | 0 | 1 | 2 |
| 9328 | 3 | 1 | 5 |
| 9331 | 2 | 1 | 4 |
| 9338 | 0 | -1 | 1 |
| 9350 | 1 | 0 | 3 |
| 9356 | 2 | 0 | 4 |
| 9359 | 1 | -1 | 2 |
| 9362 | 1 | 1 | 3 |
| 9364 | 1 | 0 | 3 |
| 9370 | 1 | 1 | 3 |
| 9380 | 0 | -1 | 0 |
| 9386 | 2 | 1 | NA |
| 9394 | 0 | 0 | 1 |
| 9407 | 2 | 0 | 4 |
| 9411 | 1 | 0 | 3 |
| 9422 | 2 | 0 | 4 |
| 9423 | 0 | 0 | 1 |
| 9429 | 0 | 0 | 1 |
| 9433 | 0 | -1 | 1 |
| 9439 | 0 | 0 | 1 |
| 9451 | 3 | 0 | 4 |
| 9452 | 1 | 1 | 3 |
| 9453 | 0 | -1 | NA |
| 9460 | 3 | 1 | NA |
| 9465 | 2 | 2 | 5 |
| 9470 | 3 | 0 | 4 |
| 9476 | 2 | 0 | NA |
| 9485 | 2 | 0 | 4 |
| 9486 | 0 | -1 | 1 |
| 9488 | 1 | 0 | 3 |
| 9507 | 4 | 1 | 5 |
| 9508 | 0 | -1 | 1 |
| 9517 | 4 | 2 | 6 |
| 9521 | 2 | 2 | 5 |
| 9528 | 2 | -1 | 3 |
| 9532 | 1 | 0 | NA |
| 9536 | 2 | -1 | 3 |
| 9540 | 3 | 1 | 5 |
| 9542 | 2 | 1 | 4 |
| 9546 | 3 | -1 | 4 |
| 9548 | 3 | 0 | 4 |
| 9549 | 4 | 1 | NA |
| 9554 | 4 | 0 | 5 |
| 9555 | 2 | 1 | 4 |
| 9558 | 0 | -1 | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|-------------|----------------|
| 9573 | 0 | 0 | 1 |
| 9575 | 4 | 0 | 5 |
| 9584 | 2 | -1 | 3 |
| 9586 | 2 | 0 | 4 |
| 9588 | 3 | 1 | 5 |
| 9591 | 0 | 0 | 1 |
| 9592 | 3 | 0 | NA |
| 9597 | 3 | 2 | NA |
| 9600 | 3 | 0 | 4 |
| 9603 | 2 | 0 | NA |
| 9605 | 1 | -1 | 2 |
| 9614 | 0 | 0 | NA |
| 9616 | 3 | 1 | NA |
| 9622 | 2 | 0 | 4 |
| 9624 | 3 | 0 | 4 |
| 9629 | 0 | 0 | 1 |
| 9633 | 2 | 0 | NA |
| 9640 | 3 | 0 | 5 |
| 9644 | 1 | -1 | $\overline{2}$ |
| 9645 | 0 | 0 | 1 |
| 9646 | 1 | 0 | 3 |
| 9648 | 1 | 0 | 3 |
| 9649 | 0 | -1 | 1 |
| 9660 | $\overset{\circ}{2}$ | 0 | $\overline{4}$ |
| 9664 | $\overline{2}$ | 1 | NA |
| 9675 | 0 | 1 | NA |
| 9679 | 1 | 0 | 3 |
| 9680 | 2 | -1 | 3 |
| 9682 | 0 | 0 | NA |
| 9697 | 1 | 0 | 3 |
| 9701 | 3 | -1 | 4 |
| 9704 | 2 | -1 | 3 |
| 9705 | 0 | 1 | $\overline{2}$ |
| 9707 | 3 | 0 | 4 |
| 9714 | 0 | 1 | 2 |
| 9718 | 1 | 0 | 3 |
| 9722 | 3 | 1 | 5 |
| 9739 | 1 | 0 | 3 |
| 9747 | 4 | 1 | 5 |
| 9751 | 0 | -1 | 1 |
| 9757 | 1 | -1 | 2 |
| 9759 | 3 | -1 | 4 |
| 9760 | 3 | 0 | NA |
| 9764 | 2 | -1 | 3 |
| 9776 | 0 | 0 | NA |
| 9778 | 1 | 0 | 3 |
| 9786 | 0 | -1 | 1 |
| 9803 | $\frac{0}{2}$ | 0 | 4 |
| 9804 | 2 | 1 | NA |
| 9815 | 3 | 1 | 5 |
| 9824 | 1 | -2 | NA |
| 9825 | 0 | 0 | 1 |
| 0020 | ~ | ~ | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------------|------------------|----------------|
| 9826 | 1 | 0 | 3 |
| 9827 | 2 | 0 | 4 |
| 9833 | 2 | 0 | 4 |
| 9835 | 0 | -1 | 1 |
| 9860 | $\overset{\circ}{2}$ | 0 | $\overline{4}$ |
| 9865 | 1 | 1 | 3 |
| 9871 | 3 | -1 | 4 |
| 9874 | 0 | -1 | 1 |
| 9880 | 1 | 1 | 3 |
| 9882 | 0 | -1 | NA |
| 9885 | 1 | 0 | 3 |
| 9888 | 2 | 1 | 4 |
| 9892 | 1 | -2 | 2 |
| 9893 | 3 | 1 | 5 |
| 9896 | 0 | -1 | 1 |
| 9902 | 1 | 1 | 3 |
| 9906 | 2 | 0 | 4 |
| 9910 | 3 | 1 | 5 |
| 9914 | 0 | 1 | 2 |
| 9918 | 0 | 1 | 2 |
| 9920 | 0 | -1 | 1 |
| 9926 | $\frac{0}{2}$ | 2 | 5 |
| 9931 | 3 | $\overset{2}{2}$ | 5 |
| 9935 | 2 | 0 | 4 |
| 9945 | $\frac{2}{2}$ | 1 | 4 |
| 9953 | 0 | 1 | 2 |
| 9957 | 1 | 0 | NA |
| 9963 | 2 | 1 | NA |
| 9972 | $\frac{2}{2}$ | 1 | 4 |
| 9976 | 3 | 0 | NA |
| 9979 | 3 1 | 0 | NA NA |
| 9979 | 0 | 0 | NA 1 |
| 9982 | 0 | 1 | NA |
| 9991 | $\frac{0}{2}$ | 0 | NA NA |
| 10000 | $\frac{2}{2}$ | $\frac{0}{2}$ | NA 5 |
| 10000 | | | |
| | 2 | 0 | 4 |
| 10005 10014 | 1 | -1 | $\frac{2}{4}$ |
| 10014 10032 | 2 | 0 | |
| | 1 | $\frac{1}{0}$ | 3 N A |
| 10034 10041 | 1 | | NA |
| | 1 | -1 | NA |
| 10042 10044 | 2 | 0 | 4 |
| | 3 | 1 | 5 |
| 10045 | 0 | -2 | 0 |
| 10054 | 2 | 0 | 4 N A |
| 10061 | 4 | 1 | NA |
| 10062 | 0 | 1 | 2 N A |
| 10073 | 1 | 1 | NA |
| 10081 | 0 | 1 | 2 N A |
| 10084 | 0 | 0 | NA |
| 10086 | 0 | 1 | 0 N A |
| 10093 | 0 | -1 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|------------------|----------|-------------|----------------|
| 10101 | 3 | 1 | NA |
| 10105 | 3 | 0 | 4 |
| 10110 | 2 | 0 | NA |
| 10113 | 1 | 0 | 3 |
| 10115 | 1 | 0 | 3 |
| 10119 | 2 | 0 | 4 |
| 10121 | 3 | -1 | 4 |
| 10124 | 0 | 1 | 1 |
| 10126 | 4 | 1 | 5 |
| 10127 | 1 | 1 | 3 |
| 10145 | 1 | 0 | 3 |
| 10147 | 0 | -1 | 1 |
| 10148 | 1 | -1 | 2 |
| 10162 | 1 | -1 | NA |
| 10163 | 1 | 0 | 3 |
| 10166 | 1 | -2 | 2 |
| 10172 | 2 | 0 | 4 |
| 10173 | 1 | 0 | 3 |
| 10175 | 1 | -1 | 2 |
| 10180 | 2 | -1 | NA |
| 10186 | 0 | 1 | 2 |
| 10192 | 3 | -1 | 4 |
| 10199 | 2 | -1 | 3 |
| 10209 | 0 | 0 | 1 |
| 10210 | 4 | 2 | 6 |
| 10214 | 2 | 0 | NA |
| 10215 | 0 | 1 | NA |
| 10216 | 0 | 0 | NA |
| 10232 | 1 | 1 | 3 |
| 10239 | 3 | 1 | 5 |
| 10249 | 2 | 1 | 4 |
| 10253 | 3 | 1 | 5 |
| 10255 | 0 | 0 | 1 |
| 10262 | 2 | -1 | NA |
| 10264 | 1 | -1 | 2 |
| 10266 | 0 | 1 | 2 |
| 10268 | 0 | 0 | 1 |
| 10271 | 2 | -1 | 3 |
| 10272 | 3 | 1 | 5 |
| 10276 | 0 | 0 | 1 |
| 10277 | 1 | 0 | 3 |
| 10279 | 2 1 | -1 | 3 |
| 10281 | | -1 -1 | $\frac{2}{NA}$ |
| 10285 | 1 | | |
| 10294 | $0 \\ 2$ | -1 -1 | $\frac{1}{3}$ |
| $10300 \\ 10304$ | 1 | 0 | 3 |
| 10304 10307 | 1 | 1 | NA |
| 10307 10309 | 3 | 1 | 5 |
| 10309 10310 | o | 0 | 5 1 |
| 10310 10312 | 0 | 0 | NA |
| 10312 10321 | 2 | -1 | 3 |
| 10021 | _ | ± | 9 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|-------------|----------------|
| 10332 | 0 | 1 | 2 |
| 10336 | $\overset{\circ}{2}$ | 0 | $\overline{4}$ |
| 10368 | 1 | 0 | 3 |
| 10369 | 2 | 2 | 5 |
| 10375 | 0 | -2 | 0 |
| 10376 | 0 | -1 | 1 |
| 10379 | 2 | 0 | NA |
| 10380 | 1 | 0 | 3 |
| 10383 | 1 | -1 | NA |
| 10385 | 3 | 1 | 5 |
| 10387 | 2 | 0 | NA |
| 10397 | 1 | 0 | 3 |
| 10412 | 1 | 1 | NA |
| 10413 | 0 | 1 | NA |
| 10418 | 1 | -1 | NA |
| 10420 | 2 | -1 | 4 |
| 10426 | 2 | 0 | 4 |
| 10427 | 1 | 0 | 3 |
| 10428 | 2 | -1 | 3 |
| 10430 | 0 | 0 | 2 |
| 10435 | 0 | 0 | NA |
| 10436 | 0 | -2 | NA |
| 10446 | 4 | 1 | 6 |
| 10448 | 3 | -1 | 4 |
| 10449 | 2 | 1 | 4 |
| 10463 | 1 | -1 | 2 |
| 10469 | 1 | -1 | 2 |
| 10470 | 3 | 0 | NA |
| 10471 | 2 | 0 | NA |
| 10473 | 3 | 1 | NA |
| 10476 | 2 | -1 | 3 |
| 10482 | 1 | 0 | 3 |
| 10500 | 2 | -1 | 3 |
| 10511 | 3 | 1 | 5 |
| 10512 | 2 | 1 | 4 |
| 10514 | 2 | 0 | 4 |
| 10515 | 3 | 0 | 4 |
| 10526 | 0 | 0 | NA |
| 10546 | 0 | -1 | NA |
| 10549 | 2 | 0 | 4 |
| 10553 | 0 | -1 | NA |
| 10558 | 1 | -1 | 2 |
| 10575 | 0 | 0 | 1 |
| 10581 | 1 | 0 | 3 |
| 10583 | 1 | 1 | NA |
| 10584 | 0 | -1 | 1 |
| 10585 | 0 | 1 | 1 |
| 10610 | 0 | 1 | 2 |
| 10611 | 0 | -1 | 1 |
| 10616 | 2 | 2 | 4 |
| 10618 | 1 | 0 | 3 |
| 10628 | 0 | -1 | 1 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 10632 | 0 | -1 | 1 |
| 10642 | 2 | 0 | 4 |
| 10648 | 1 | 1 | 3 |
| 10649 | 2 | 0 | 4 |
| 10650 | 2 | -1 | NA |
| 10654 | 1 | -2 | 2 |
| 10656 | 3 | 1 | 5 |
| 10661 | 3 | 1 | 5 |
| 10663 | 0 | 2 | 2 |
| 10672 | 1 | 0 | 3 |
| 10678 | 3 | 1 | 5 |
| 10685 | 3 | 0 | NA |
| 10690 | 3 | 1 | 5 |
| 10702 | 2 | 0 | 4 |
| 10706 | 1 | 1 | 3 |
| 10708 | 1 | -1 | 2 |
| 10716 | 2 | -1 | 4 |
| 10717 | 4 | 0 | NA |
| 10720 | 3 | 1 | 5 |
| 10729 | 0 | 0 | 1 |
| 10730 | 3 | 1 | 5 |
| 10745 | 0 | 1 | 2 |
| 10753 | 1 | -1 | NA |
| 10754 | 1 | -1 | 2 |
| 10762 | 1 | -1 | 2 |
| 10766 | 0 | -1 | NA |
| 10776 | 0 | -2 | 0 |
| 10783 | 1 | 0 | 3 |
| 10789 | 2 | -1 | 3 |
| 10790 | 2 | 2 | 5 |
| 10797 | 0 | 1 | 2 |
| 10807 | 1 | 0 | 3 |
| 10810 | 0 | 0 | 1 |
| 10817 | 1 | 1 | 3 |
| 10820 | 1 | -1 | 2 |
| 10822 | 2 | 0 | 4 |
| 10828 | 2 | 1 | 4 |
| 10829 | 1 | -1 | NA |
| 10830 | 2 | -2 | 3 |
| 10831 | 4 | 1 | 6 |
| 10841 | 3 | 2 | 5 |
| 10847 | 2 | -1 | NA |
| 10856 | 0 | -1 | 1 |
| 10860 | 0 | 0 | NA |
| 10861 | 3 | 1 | NA |
| 10863 | 1 | 0 | 3 |
| 10875 | 1 | 0 | NA |
| 10884 | 3 | 0 | 4 |
| 10895 | 0 | -1 | 1 |
| 10897 | 1 | 0 | 3 |
| 10898 | 1 | 0 | NA |
| 10903 | 0 | 1 | 1 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 10908 | 0 | 1 | 2 |
| 10924 | 1 | 0 | 2 |
| 10926 | 1 | -1 | 2 |
| 10927 | 1 | 0 | 3 |
| 10928 | 1 | 0 | 3 |
| 10933 | 0 | 0 | 1 |
| 10939 | 4 | 1 | 5 |
| 10942 | 2 | 1 | 4 |
| 10945 | 2 | -1 | 3 |
| 10949 | 2 | 0 | 4 |
| 10950 | 1 | 0 | 3 |
| 10958 | 3 | 2 | 5 |
| 10963 | 2 | 0 | 4 |
| 10967 | 2 | -1 | 4 |
| 10971 | 0 | 0 | NA |
| 10972 | 0 | 0 | 2 |
| 10974 | 2 | 0 | 4 |
| 10976 | 4 | 0 | 5 |
| 10980 | 1 | 0 | 3 |
| 10991 | 0 | 0 | 2 |
| 10995 | 3 | 0 | NA |
| 11014 | 3 | 1 | 5 |
| 11017 | 2 | 1 | NA |
| 11019 | 2 | 1 | 4 |
| 11022 | 0 | 0 | NA |
| 11030 | 3 | 0 | 4 |
| 11031 | 2 | -1 | 3 |
| 11041 | 0 | 0 | 1 |
| 11042 | 2 | 0 | 4 |
| 11044 | 3 | 0 | NA |
| 11047 | 2 | 1 | NA |
| 11048 | 1 | 0 | NA |
| 11049 | 1 | 0 | 3 |
| 11052 | 1 | 0 | 3 |
| 11058 | 0 | 0 | 1 |
| 11069 | 2 | -1 | 4 |
| 11070 | 2 | -1 | NA |
| 11073 | 3 | 1 | NA |
| 11074 | 0 | -1 | 1 |
| 11078 | 0 | 0 | 1 |
| 11079 | 0 | 0 | 1 |
| 11085 | 0 | 0 | 1 |
| 11088 | 2 | 0 | 4 |
| 11106 | 0 | 0 | 1 |
| 11110 | 4 | 1 | NA |
| 11114 | 3 | -1 | 4 |
| 11118 | 1 | -1 | 2 |
| 11129 | 2 | 1 | 4 |
| 11130 | 2 | 0 | 4 |
| 11131 | 2 | 0 | 4 |
| 11133 | 1 | -1 | NA |
| 11138 | 3 | -1 | 4 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|-------------|-------------------|
| 11143 | 2 | 0 | 4 |
| 11146 | 4 | 0 | 5 |
| 11153 | 2 | 0 | 4 |
| 11162 | 1 | 2 | 4 |
| 11170 | 4 | 2 | 6 |
| 11171 | 0 | 0 | 1 |
| 11201 | 2 | -1 | 3 |
| 11216 | 3 | 1 | 5 |
| 11219 | 1 | 0 | 3 |
| 11222 | 2 | 1 | 5 |
| 11234 | 0 | 0 | 1 |
| 11238 | 2 | 0 | 4 |
| 11244 | 2 | -1 | 4 |
| 11246 | 0 | -2 | 0 |
| 11248 | 0 | 2 | 2 |
| 11250 | 0 | 0 | 1 |
| 11256 | 2 | 1 | 4 |
| 11259 | 1 | -1 | 2 |
| 11263 | 0 | 0 | 1 |
| 11264 | 1 | 0 | NA |
| 11270 | 0 | -1 | 1 |
| 11274 | 0 | 0 | 1 |
| 11281 | $\overset{\circ}{2}$ | -1 | \overline{NA} |
| 11285 | 0 | 0 | 1 |
| 11300 | 1 | -1 | $\stackrel{-}{2}$ |
| 11305 | $\overline{2}$ | -1 | 3 |
| 11317 | 3 | -1 | 4 |
| 11319 | 1 | -1 | 2 |
| 11330 | 0 | 1 | NA |
| 11334 | 3 | 1 | 5 |
| 11335 | 4 | 1 | NA |
| 11336 | 1 | 0 | 3 |
| 11356 | 3 | 0 | 4 |
| 11358 | 2 | 0 | 4 |
| 11360 | 0 | 0 | 1 |
| 11364 | 0 | 0 | 1 |
| 11373 | 4 | 1 | 5 |
| 11379 | 3 | -1 | 4 |
| 11382 | 3 | 0 | NA |
| 11383 | 0 | 0 | 1 |
| 11385 | 3 | 0 | 5 |
| 11387 | 2 | -1 | NA |
| 11391 | 1 | 0 | 3 |
| 11397 | 1 | -1 | 2 |
| 11404 | 1 | -2 | 2 |
| 11405 | 0 | 1 | 2 |
| 11409 | $\overset{\circ}{2}$ | 1 | 4 |
| 11419 | 2 | -1 | 3 |
| 11430 | 3 | 0 | 4 |
| 11434 | 4 | 1 | 5 |
| 11436 | 1 | -1 | 2 |
| 11440 | 1 | 1 | NĀ |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------------|-------------|----------------|
| 11443 | 1 | -1 | NA |
| 11449 | 2 | -2 | 3 |
| 11452 | 2 | 1 | NA |
| 11453 | 0 | -1 | NA |
| 11456 | 3 | 1 | 3 |
| 11457 | 0 | 0 | 1 |
| 11459 | 2 | 1 | 4 |
| 11471 | 0 | 0 | 1 |
| 11476 | 2 | -1 | 3 |
| 11479 | 0 | -1 | 1 |
| 11481 | 2 | 0 | 4 |
| 11485 | 1 | 1 | 3 |
| 11486 | 1 | 0 | NA |
| 11487 | 1 | 0 | 3 |
| 11488 | 1 | -1 | 2 |
| 11498 | 0 | 1 | NA |
| 11506 | 1 | -1 | 3 |
| 11511 | 3 | 1 | 5 |
| 11515 | 0 | -1 | NA |
| 11518 | 0 | -1 | NA |
| 11521 | 1 | -1 | NA |
| 11523 | 1 | 0 | NA |
| 11524 | 0 | 1 | NA |
| 11525 | 2 | 0 | 4 |
| 11528 | 0 | -1 | 1 |
| 11530 | 1 | 0 | 2 |
| 11531 | 2 | -1 | 3 |
| 11533 | 1 | 0 | 3 |
| 11535 | 2 | 0 | 4 |
| 11537 11538 | $\frac{2}{2}$ | 0 -2 | 4 3 |
| 11538 | 0 | -2 -2 | NA |
| 11541 11548 | 3 | 0 | 4 |
| 11548 11552 | 3 1 | -1 | 2 |
| 11552 11558 | 0 | 1 | $\frac{2}{2}$ |
| 11560 | 0 | 0 | 1 |
| 11566 | 0 | 0 | 1 |
| 11572 | 0 | 0 | 1 |
| 11573 | 3 | 0 | 4 |
| 11582 | 3 | 0 | 4 |
| 11586 | 1 | -1 | 3 |
| 11590 | 3 | 0 | 4 |
| 11591 | 1 | -1 | 2 |
| 11601 | 2 | 0 | 4 |
| 11611 | 2 | 0 | NA |
| 11617 | 0 | -1 | NA |
| 11619 | $\overset{\circ}{2}$ | 1 | 4 |
| 11624 | $\overline{2}$ | 0 | $\overline{4}$ |
| 11626 | 4 | 1 | 6 |
| 11644 | 1 | 0 | 3 |
| 11652 | 0 | -2 | 0 |
| 11656 | 0 | -1 | 1 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-----------------------|---------------|----------------------|--------------------|
| 11658 | 3 | -2 | 4 |
| 11659 | 3 | 1 | 5 |
| 11663 | 2 | -1 | NA |
| 11665 | 2 | 0 | 4 |
| 11683 | 3 | 0 | 4 |
| 11685 | 0 | -1 | 1 |
| 11691 | 1 | 0 | 3 |
| 11694 | 2 | 0 | 4 |
| 11698 | 0 | 0 | 1 |
| 11700 | 2 | 0 | 4 |
| 11703 | 1 | 0 | 2 |
| 11705 | 1 | -1 | 2 |
| 11710 | 3 | -1 | NA |
| 11711 | 2 | -1 | 3 |
| 11714 | 0 | -1 | 1 |
| 11731 | 2 | 1 | NĀ |
| 11732 | 0 | 0 | NA |
| 11742 | 1 | 0 | 3 |
| 11744 | 2 | 0 | 4 |
| 11745 | 1 | 0 | 3 |
| 11749 | 0 | 1 | NA |
| 11756 | 1 | 1 | 3 |
| 11761 | 0 | -1 | 1 |
| 11762 | 3 | 0 | 4 |
| 11766 | 3 | 0 | 4 |
| 11767 | 4 | $\overset{\circ}{2}$ | 6 |
| 11769 | 1 | 0 | $\frac{\sigma}{2}$ |
| 11770 | 2 | 0 | 4 |
| 11770 | 3 | 0 | 4 |
| 11777 | 2 | -1 | 4 |
| 11778 | 3 | 1 | 5 |
| 11779 | 0 | 0 | 1 |
| 11778 | 0 | 0 | $\frac{1}{2}$ |
| 11790 | $\frac{0}{2}$ | 1 | 4 |
| 11790 11794 | $\frac{2}{2}$ | 0 | 4 |
| | $\frac{2}{2}$ | | NA |
| 11801 | | 0 | 1 1 |
| $\frac{11807}{11812}$ | $0 \\ 3$ | 0 | 4 |
| 11817 | | 1 | 2 |
| 11818 | 0 1 | 0 | NA |
| | 0 | 1 | |
| 11825 | 3 | 0 | 1 NA |
| 11828 | | | |
| 11833 | 3 | 0 | 4 |
| 11837 | 3 | 1 | NA |
| 11838 | 0 | 0 | 1 |
| 11842 | 0 | 0 | 1 |
| 11853 | 3 | 0 | 4 N A |
| 11857 | 3 | 0 | NA |
| 11858 | 1 | 0 | 3 |
| 11860 | 3 | 1 | 5 N A |
| 11867 | 2 | 0 | NA |
| 11868 | 4 | 0 | 5 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 11871 | 3 | 0 | NA |
| 11875 | 1 | 2 | NA |
| 11881 | 3 | 2 | 6 |
| 11890 | 0 | 1 | 2 |
| 11892 | 3 | 0 | NA |
| 11894 | 2 | -1 | 3 |
| 11896 | 2 | 1 | NA |
| 11903 | 2 | 1 | 4 |
| 11905 | 3 | -1 | 4 |
| 11907 | 1 | 0 | 3 |
| 11909 | 4 | 2 | 6 |
| 11911 | 1 | 0 | 3 |
| 11915 | 0 | -1 | 1 |
| 11918 | 2 | 0 | NA |
| 11920 | 4 | 0 | 5 |
| 11923 | 3 | 0 | 4 |
| 11924 | 1 | 0 | 3 |
| 11926 | 1 | -2 | 2 |
| 11931 | 2 | 0 | NA |
| 11933 | 3 | 0 | 4 |
| 11940 | 2 | 1 | 4 |
| 11951 | 1 | 1 | 3 |
| 11953 | 1 | 0 | 2 |
| 11973 | 0 | 0 | NA |
| 11984 | 0 | -1 | NA |
| 11985 | 0 | -1 | 1 |
| 11991 | 1 | -1 | 3 |
| 12002 | 1 | 0 | 3 |
| 12006 | 2 | -1 | NA |
| 12008 | 3 | 0 | 4 |
| 12013 | 0 | -1 | 1 |
| 12015 | 3 | -1 | 4 |
| 12016 | 3 | 0 | 5 |
| 12023 | 0 | 0 | NA |
| 12029 | 0 | 0 | 1 |
| 12036 | 0 | 0 | 1 |
| 12038 | 1 | 1 | 3 |
| 12041 | 0 | 1 | 2 |
| 12049 | 2 | 1 | NA |
| 12050 | 0 | 1 | NA |
| 12054 | 1 | 1 | 3 |
| 12060 | 2 | -1 | 3 |
| 12062 | 3 | 1 | 5 |
| 12065 | 1 | -1 | 2 |
| 12079 | 0 | -1 | 1 |
| 12083 | 4 | 1 | 6 |
| 12090 | 2 | 1 | 4 |
| 12091 | 2 | 1 | 4 |
| 12094 | 3 | 0 | 4 |
| 12099 | 2 | 0 | 4 |
| 12101 | 1 | 1 | 3 |
| 12110 | 1 | 0 | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-----------------------|----------------|-------------|---------------|
| 12116 | 3 | 2 | NA |
| 12122 | 3 | -1 | 4 |
| 12127 | 4 | 2 | 6 |
| 12133 | 2 | 0 | 4 |
| 12142 | 0 | 1 | 1 |
| 12147 | 3 | 0 | NA |
| 12156 | 1 | -1 | 2 |
| 12157 | 3 | 1 | 5 |
| 12158 | 4 | 1 | NA |
| 12161 | 3 | 0 | 4 |
| 12163 | 3 | 0 | 4 |
| 12166 | 1 | 0 | 3 |
| 12170 | 0 | 0 | NA |
| 12174 | 3 | 1 | NA |
| 12183 | 0 | 0 | NA |
| 12188 | 0 | 0 | NA |
| 12189 | 3 | 0 | 5 |
| 12192 | 2 | 0 | NA |
| 12201 | 2 | -1 | 3 |
| 12204 | 0 | -1 | 1 |
| 12207 | 0 | -1 | 1 |
| 12208 | 1 | -1 | 2 |
| 12209 | 2 | $0 \\ 2$ | NA |
| 12210 | 4 | | 6 |
| $\frac{12217}{12227}$ | 2 | -1 0 | 3 1 |
| $\frac{12227}{12231}$ | $0 \\ 3$ | 0 -1 | NA |
| 12231 12232 | 3 2 | 0 | NA 4 |
| 12232 12239 | 3 | 1 | 5 |
| 12239 12240 | 3 1 | -1 | $\frac{3}{2}$ |
| 12240 12251 | 2 | -1 -1 | 3 |
| 12251 12256 | $\frac{2}{2}$ | 1 | 4 |
| 12261 | 0 | 0 | NA |
| 12263 | $\frac{0}{2}$ | -2 | 3 |
| 12266 | 0 | -1 | 1 |
| 12267 | 1 | 0 | 3 |
| 12268 | 2 | 0 | 4 |
| 12279 | 3 | 1 | NA |
| 12280 | $\overline{2}$ | 1 | NA |
| 12283 | 1 | 0 | 3 |
| 12284 | 0 | 1 | 2 |
| 12285 | 4 | 1 | NA |
| 12286 | 3 | 1 | 5 |
| 12292 | 2 | 1 | 4 |
| 12295 | 0 | 0 | 1 |
| 12301 | 2 | 0 | NA |
| 12314 | 1 | -1 | 2 |
| 12315 | 0 | 0 | 1 |
| 12318 | 0 | 0 | NA |
| 12332 | 3 | 1 | 5 |
| 12334 | 0 | 0 | 1 |
| 12337 | 2 | 0 | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------|----------------|
| 12338 | 3 | 1 | 5 |
| 12349 | 3 | 0 | 4 |
| 12350 | 3 | -1 | 4 |
| 12359 | 4 | 1 | 6 |
| 12360 | 3 | 1 | 5 |
| 12373 | 2 | 1 | NA |
| 12374 | 0 | -1 | 1 |
| 12380 | 2 | 1 | 4 |
| 12382 | 2 | -1 | 3 |
| 12383 | 2 | -1 | 3 |
| 12390 | 2 | 1 | 4 |
| 12398 | 2 | 1 | 4 |
| 12405 | 2 | 0 | 4 |
| 12407 | 1 | 0 | 3 |
| 12410 | 4 | 1 | 5 |
| 12418 | 3 | 2 | 5 |
| 12421 | 3 | 1 | NA |
| 12422 | 1 | 1 | 3 |
| 12439 | 0 | 0 | NA |
| 12444 | 2 | 0 | 4 |
| 12463 | 4 | 0 | 5 |
| 12465 | 0 | -1 | NA |
| 12470 | 3 | 0 | NA |
| 12471 | 2 | 0 | 4 |
| 12480 | 3 | 0 | $\overline{4}$ |
| 12482 | 3 | 0 | $\overline{4}$ |
| 12484 | 2 | -1 | 3 |
| 12487 | 3 | 0 | 4 |
| 12491 | 2 | 0 | NA |
| 12503 | $\overline{4}$ | 0 | NA |
| 12507 | 0 | 0 | 1 |
| 12526 | 1 | -1 | 2 |
| 12533 | 1 | 0 | 3 |
| 12540 | 0 | 0 | 1 |
| 12543 | 1 | -1 | 2 |
| 12552 | 0 | 0 | NA |
| 12555 | 3 | $\overline{2}$ | 5 |
| 12556 | 3 | 0 | 4 |
| 12570 | 3 | 0 | 4 |
| 12579 | 2 | 0 | 4 |
| 12588 | 1 | -1 | 2 |
| 12600 | 0 | 1 | NA |
| 12615 | 3 | 1 | 5 |
| 12624 | 2 | 0 | 4 |
| 12629 | 0 | -1 | NA |
| 12634 | $\overset{\circ}{2}$ | -1 | 3 |
| 12638 | 0 | 0 | 1 |
| 12646 | 1 | 1 | 3 |
| 12650 | 0 | 0 | NA |
| 12665 | 1 | 0 | NA |
| 12674 | 2 | -1 | NA |
| 12676 | 0 | 0 | NA |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-----------------------|----------------------|--------|
| 12678 | 1 | 0 | NA |
| 12685 | 1 | 1 | 3 |
| 12690 | 1 | 0 | 3 |
| 12698 | 2 | 0 | 4 |
| 12702 | 2 | 1 | 4 |
| 12704 | 1 | 0 | 3 |
| 12705 | 1 | 0 | 3 |
| 12710 | 3 | -1 | 4 |
| 12715 | 3 | 1 | 5 |
| 12720 | 2 | 0 | 4 |
| 12734 | 1 | 0 | 2 |
| 12744 | 2 | 0 | 4 |
| 12747 | 0 | 0 | 1 |
| 12757 | 3 | 1 | 5 |
| 12758 | 1 | -2 | NA |
| 12766 | 0 | -1 | 1 |
| 12782 | 2 | -1 | 3 |
| 12787 | 0 | 0 | NA |
| 12799 | 1 | -1 | 2 |
| 12804 | 2 | 1 | 4 |
| 12809 | $\overline{2}$ | -1 | 3 |
| 12813 | $\overline{2}$ | -1 | 3 |
| 12816 | 3 | -1 | 4 |
| 12821 | $\stackrel{\circ}{2}$ | 0 | NA |
| 12826 | $\overline{2}$ | -2 | 3 |
| 12831 | $\overline{2}$ | 0 | 4 |
| 12832 | 1 | 1 | 3 |
| 12833 | 2 | -1 | 3 |
| 12835 | 2 | 0 | 4 |
| 12842 | 0 | -1 | 1 |
| 12844 | 2 | 0 | 4 |
| 12847 | 0 | -1 | 1 |
| 12852 | 1 | 0 | 3 |
| 12856 | $\overline{2}$ | 0 | 4 |
| 12857 | $\overline{2}$ | -1 | 3 |
| 12858 | 4 | 1 | NA |
| 12861 | 1 | 0 | 3 |
| 12869 | $\overline{2}$ | 0 | 4 |
| 12876 | 1 | $\overset{\circ}{2}$ | 4 |
| 12877 | 0 | 0 | NA |
| 12879 | 1 | 1 | 3 |
| 12882 | 2 | 1 | 4 |
| 12883 | 4 | -1 | NA |
| 12887 | 1 | -1 | 3 |
| 12889 | $\overline{2}$ | 0 | NA |
| 12891 | 3 | 1 | 5 |
| 12894 | 3 | -1 | 4 |
| 12895 | 0 | 0 | NA |
| 12899 | 0 | 1 | 2 |
| 12905 | 4 | 2 | 6 |
| 12913 | 0 | 0 | NA |
| 12916 | 0 | 0 | 1 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------------|-------------|----------------------|
| 12917 | 1 | 0 | 3 |
| 12925 | 3 | -1 | 4 |
| 12934 | 3 | 1 | 5 |
| 12939 | 3 | 1 | 5 |
| 12943 | 0 | 1 | $\overset{\circ}{2}$ |
| 12950 | 3 | 1 | 5 |
| 12961 | 0 | -1 | 0 |
| 12963 | 1 | 0 | 3 |
| 12973 | 0 | 1 | 2 |
| 12979 | 2 | 0 | 4 |
| 12980 | 0 | -1 | 1 |
| 12981 | 0 | -1 | NA |
| 12982 | 1 | 1 | 3 |
| 12992 | 1 | 1 | 3 |
| 12994 | 0 | 0 | 1 |
| 12999 | $\overset{\circ}{2}$ | -1 | 3 |
| 13002 | $\frac{2}{2}$ | 0 | 4 |
| 13002 | 0 | 0 | 1 |
| 13010 | 1 | 1 | NA |
| 13013 | 2 | 0 | 4 |
| 13015 | $\frac{2}{2}$ | 1 | 4 |
| 13019 | $\frac{2}{2}$ | 2 | 5 |
| 13030 | 1 | -2 | NA |
| 13031 | 3 | 1 | NA |
| 13036 | 1 | 1 | 3 |
| 13030 13037 | 3 | 1 | 5 |
| 13037 13042 | 0 | 2 | $\frac{3}{2}$ |
| 13042 13054 | 1 | -1 | 3 |
| 13060 | 0 | 1 | 2 |
| 13072 | $\frac{0}{2}$ | 0 | NA |
| 13072 13073 | 1 | 0 | NA NA |
| 13073 | 3 | 1 | 5 NA |
| 13079 | 0 | -1 | 1 |
| 13086 | 1 | 0 | NA |
| 13080 13087 | 2 | 0 | |
| | | | $\frac{4}{1}$ |
| 13090 | 0 | 0 | |
| 13098 | 1 | 0 | 3 |
| 13100 | 1 | 0 | 3 |
| 13105 | 0 | 0 | 1 |
| 13106 | 1 | 0 | 3 |
| 13107 | 2 | 0 | 4 |
| 13113 | 4 | 2 | 6 |
| 13115 | 3 | 0 | 5 |
| 13117 | 0 | -1 | 1 |
| 13118 | 2 | -1 1 | 3 N A |
| 13121 | 0 | -1 | NA |
| 13137 | 1 | -2 | 2 |
| 13146 | 0 | 0 | NA NA |
| 13150 | 3 | 1 | NA |
| 13151 | 2 | 1 | 4 N A |
| 13152 | 1 | 1 | NA NA |
| 13156 | 3 | -1 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------------|---------------|----------------|
| 13165 | 4 | 1 | 5 |
| 13169 | 2 | 1 | 4 |
| 13178 | 2 | 0 | 4 |
| 13180 | 1 | 1 | 3 |
| 13183 | 3 | 0 | 4 |
| 13184 | 0 | 1 | 2 |
| 13188 | 2 | -1 | 4 |
| 13191 | 2 | 0 | 4 |
| 13196 | 0 | -1 | 1 |
| 13203 | 2 | 0 | NA |
| 13206 | 1 | -1 | 2 |
| 13200 13211 | 2 | 1 | NA |
| 13211 13219 | 0 | 1 | 2 |
| 13219 13223 | 3 | $\frac{1}{2}$ | 5 |
| 13223 13226 | 2 | 0 | 4 |
| 13228 | 1 | -1 | 2 |
| | | | 4 |
| 13230 13240 | 2 | 1 | |
| | 2 | 1 | 4 |
| 13249 | 3 | 1 | 5 |
| 13250 | 0 | -1 | 1 |
| 13256 | 2 | 0 | 4 |
| 13261 | 0 | 0 | 1 |
| 13263 | 1 | 0 | 3 |
| 13268 | 2 | 1 | 4 |
| 13275 | 0 | 1 | 2 |
| 13277 | 3 | 1 | NA |
| 13283 | 2 | 0 | 4 |
| 13284 | 0 | 0 | 1 |
| 13285 | 1 | 0 | 2 |
| 13286 | 3 | 0 | NA |
| 13287 | 0 | -1 | 1 |
| 13290 | 1 | 0 | 3 |
| 13291 | 0 | 1 | NA |
| 13294 | 3 | 1 | 5 |
| 13295 | 2 | -1 | 3 |
| 13303 | 2 | -1 | 3 |
| 13306 | 0 | -2 | 1 |
| 13311 | 2 | 1 | 4 |
| 13322 | 0 | 0 | 1 |
| 13331 | 0 | 0 | 1 |
| 13337 | 2 | 1 | 4 |
| 13344 | 0 | 0 | 1 |
| 13362 | 2 | 1 | 4 |
| 13364 | 1 | -1 | 2 |
| 13366 | 0 | 0 | NA |
| 13368 | 2 | -1 | 3 |
| 13370 | 1 | -1 | 2 |
| 13377 | 3 | 1 | 5 |
| 13378 | 1 | -1 | $\overline{2}$ |
| 13388 | 0 | 0 | 1 |
| 13392 | $\overset{\circ}{2}$ | 1 | $\overline{4}$ |
| 13398 | 2 | 1 | 4 |
| | | | - |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|--------|
| 13403 | 2 | 1 | NA |
| 13404 | 2 | 1 | 4 |
| 13409 | 2 | 0 | 4 |
| 13416 | 0 | $\overset{\circ}{2}$ | 2 |
| 13422 | 0 | 0 | 1 |
| 13427 | $\overset{\circ}{2}$ | 0 | 4 |
| 13433 | 3 | 1 | 5 |
| 13438 | 2 | -1 | 3 |
| 13441 | 4 | 1 | NA |
| 13449 | 3 | 1 | 5 |
| 13450 | 1 | 1 | 3 |
| 13453 | 1 | -1 | 2 |
| 13460 | 1 | 1 | 3 |
| 13461 | 2 | 1 | 4 |
| 13465 | 2 | 0 | 4 |
| 13468 | 0 | 1 | 2 |
| 13481 | $\overset{\circ}{2}$ | 0 | 4 |
| 13485 | 1 | -1 | 2 |
| 13487 | 3 | 1 | NA |
| 13490 | 2 | 0 | NA |
| 13493 | 1 | 0 | 3 |
| 13497 | 1 | -1 | 2 |
| 13508 | 0 | 1 | 2 |
| 13516 | 0 | 0 | NĀ |
| 13525 | $\overset{\circ}{2}$ | 0 | 4 |
| 13533 | 4 | 0 | NA |
| 13535 | 0 | 0 | NA |
| 13538 | $\overset{\circ}{2}$ | 0 | 4 |
| 13545 | 1 | 1 | NA |
| 13566 | 3 | -1 | 4 |
| 13581 | 1 | 0 | 3 |
| 13584 | 0 | -1 | 1 |
| 13588 | 1 | -1 | 2 |
| 13596 | 1 | 0 | 2 |
| 13600 | 3 | $\overset{\circ}{2}$ | 5 |
| 13604 | 2 | 0 | 4 |
| 13608 | 1 | 1 | 3 |
| 13611 | 1 | 0 | 3 |
| 13612 | 0 | 0 | 1 |
| 13615 | $\overset{\circ}{2}$ | 0 | 4 |
| 13616 | 3 | 0 | 4 |
| 13618 | 2 | 0 | 4 |
| 13625 | 0 | -1 | NA |
| 13628 | 3 | -1 | 4 |
| 13629 | 0 | 0 | 1 |
| 13630 | 3 | 1 | 5 |
| 13633 | 2 | 0 | 4 |
| 13637 | $\overline{2}$ | 0 | 4 |
| 13640 | 0 | -1 | 1 |
| 13641 | 1 | 0 | 2 |
| 13651 | 2 | 1 | NA |
| 13674 | 2 | 0 | 4 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 13684 | 2 | 0 | 4 |
| 13690 | 1 | -2 | NA |
| 13707 | 2 | 0 | 4 |
| 13709 | 3 | 1 | 5 |
| 13710 | 3 | -1 | NA |
| 13713 | 2 | 2 | 5 |
| 13724 | 0 | 2 | NA |
| 13725 | 0 | 2 | 2 |
| 13731 | 1 | -1 | 2 |
| 13736 | 1 | -1 | 2 |
| 13740 | 0 | 1 | 2 |
| 13745 | 3 | 2 | NA |
| 13748 | 0 | -1 | 1 |
| 13751 | 0 | 1 | 2 |
| 13758 | 0 | -1 | 1 |
| 13762 | 0 | 0 | 1 |
| 13764 | 3 | 0 | 5 |
| 13765 | 0 | 0 | 1 |
| 13769 | 1 | -1 | NA |
| 13770 | 1 | 0 | 2 |
| 13774 | 3 | 1 | 5 |
| 13787 | 1 | 0 | 3 |
| 13791 | 1 | 1 | 3 |
| 13802 | 1 | -1 | 2 |
| 13807 | 1 | 0 | 3 |
| 13808 | 1 | -2 | 2 |
| 13809 | 0 | 1 | 2 |
| 13810 | 2 | 0 | NA |
| 13822 | 3 | 1 | NA |
| 13823 | 2 | -1 | 3 |
| 13825 | 2 | 0 | 4 |
| 13826 | 0 | 1 | 2 |
| 13833 | 2 | 0 | 4 |
| 13837 | 2 | -1 | 3 |
| 13842 | 2 | 0 | 4 |
| 13846 | 2 | 0 | 3 |
| 13852 | 3 | 1 | 5 |
| 13853 | 0 | -2 | 1 |
| 13858 | 0 | -1 | 1 |
| 13860 | 0 | 0 | 1 |
| 13866 | 0 | 0 | 1 |
| 13886 | 0 | 0 | NA |
| 13887 | 0 | 1 | 2 |
| 13890 | 1 | 2 | 4 |
| 13891 | 2 | -1 | 4 |
| 13893 | 1 | -1 | 2 |
| 13902 | 3 | 2 | 5 |
| 13903 | 0 | 0 | NA |
| 13908 | 2 | 1 | 4 |
| 13912 | 1 | -2 | 2 |
| 13924 | 0 | 1 | 2 |
| 13928 | 1 | 0 | 3 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 13929 | 1 | 1 | 3 |
| 13938 | 2 | 1 | 4 |
| 13939 | 1 | -1 | NA |
| 13941 | 3 | 1 | 5 |
| 13951 | 1 | 1 | 3 |
| 13962 | 0 | -2 | 0 |
| 13964 | 1 | -1 | 2 |
| 13967 | 2 | -1 | 3 |
| 13971 | 3 | -1 | 4 |
| 13972 | 3 | 0 | 4 |
| 13975 | 0 | 2 | 1 |
| 13977 | 1 | 0 | 3 |
| 13979 | 3 | 0 | 4 |
| 13983 | 0 | -1 | 1 |
| 13984 | 2 | 0 | 4 |
| 13987 | 0 | 0 | 1 |
| 13994 | 3 | 0 | NA |
| 13999 | 1 | 0 | 3 |
| 14003 | 2 | 2 | 5 |
| 14008 | 2 | 1 | 4 |
| 14011 | 2 | 2 | NA |
| 14012 | 1 | 0 | 3 |
| 14016 | 2 | -1 | 3 |
| 14017 | 1 | 0 | NA |
| 14020 | 0 | 0 | NA |
| 14027 | 0 | 1 | 2 |
| 14038 | 2 | 0 | 3 |
| 14040 | 3 | 1 | 5 |
| 14042 | 1 | -1 | 2 |
| 14055 | 0 | 1 | NA |
| 14057 | 2 | 1 | 4 |
| 14060 | 0 | 1 | 2 |
| 14081 | 0 | -1 | NA |
| 14091 | 2 | 0 | 4 |
| 14111 | 2 | -1 | 3 |
| 14117 | 3 | 1 | 5 |
| 14121 | 2 | 0 | NA |
| 14122 | 3 | 1 | NA |
| 14125 | 0 | 0 | 1 |
| 14129 | 0 | 0 | 1 |
| 14135 | 0 | -1 | 1 |
| 14148 | 0 | 2 | NA |
| 14157 | 2 | 0 | 4 |
| 14161 | 0 | 0 | 1 |
| 14163 | 0 | 0 | NA |
| 14172 | 3 | -1 | NA |
| 14180 | 0 | 1 | 2 |
| 14182 | 2 | 1 | NA |
| 14188 | 0 | 1 | 2 |
| 14191 | 1 | 0 | 3 |
| 14201 | 4 | 2 | 6 |
| 14202 | 2 | 0 | 4 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-----------------------|----------------------|--------|
| 14213 | 2 | 0 | 4 |
| 14220 | 0 | 0 | 1 |
| 14224 | 1 | -1 | 2 |
| 14231 | 0 | -1 | NA |
| 14241 | 3 | 1 | 4 |
| 14243 | 3 | 0 | NA |
| 14245 | 1 | -1 | 2 |
| 14247 | 1 | -2 | NA |
| 14248 | 1 | 0 | 3 |
| 14252 | 1 | 0 | 3 |
| 14254 | 3 | 0 | 4 |
| 14260 | 3 | -1 | 4 |
| 14269 | 2 | 1 | 4 |
| 14272 | 0 | 1 | 2 |
| 14274 | 2 | 0 | 4 |
| 14279 | 1 | 1 | 3 |
| 14280 | 3 | 1 | 5 |
| 14290 | 2 | -1 | 4 |
| 14298 | 4 | 2 | NA |
| 14308 | 3 | 0 | 5 |
| 14313 | 2 | 0 | 4 |
| 14316 | $\overline{2}$ | 0 | 4 |
| 14319 | $\overline{4}$ | 1 | NA |
| 14322 | 0 | 1 | NA |
| 14323 | $\overset{\circ}{2}$ | -1 | NA |
| 14325 | 3 | $\overline{2}$ | 5 |
| 14337 | 3 | 0 | 4 |
| 14339 | 3 | 0 | 4 |
| 14341 | 1 | 0 | 3 |
| 14342 | 3 | 1 | 5 |
| 14346 | 4 | 1 | 5 |
| 14351 | 2 | 0 | 4 |
| 14354 | 0 | 0 | 1 |
| 14355 | 0 | 0 | 1 |
| 14358 | 3 | $\overset{\circ}{2}$ | 5 |
| 14359 | 0 | - -1 | NA |
| 14364 | $\overset{\circ}{2}$ | 0 | 4 |
| 14374 | 0 | -2 | 0 |
| 14376 | 1 | -1 | NA |
| 14382 | 1 | 0 | 3 |
| 14384 | 1 | 0 | 3 |
| 14393 | 0 | 0 | NA |
| 14398 | 1 | 0 | 3 |
| 14403 | 3 | 0 | 4 |
| 14406 | 0 | 0 | NA |
| 14408 | $\overset{\circ}{2}$ | 0 | NA |
| 14411 | 0 | 1 | 2 |
| 14414 | $\overset{\circ}{2}$ | 0 | 4 |
| 14418 | 1 | -1 | NA |
| 14423 | 2 | 0 | NA |
| 14442 | 3 | 0 | 4 |
| 14443 | $\stackrel{\circ}{2}$ | 0 | 4 |
| - | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 14444 | 2 | -1 | 3 |
| 14446 | 3 | -1 | NA |
| 14455 | 1 | 0 | 3 |
| 14456 | 3 | 0 | 5 |
| 14458 | 2 | 0 | 4 |
| 14464 | 2 | 1 | NA |
| 14466 | 3 | 1 | 5 |
| 14467 | 1 | 0 | 3 |
| 14469 | 3 | -1 | 4 |
| 14483 | 0 | 1 | 2 |
| 14484 | 1 | 0 | 3 |
| 14490 | 1 | 0 | 3 |
| 14491 | 2 | -2 | 3 |
| 14494 | 1 | 0 | 3 |
| 14496 | 2 | 0 | 4 |
| 14503 | 0 | -1 | 1 |
| 14504 | 1 | 0 | 3 |
| 14505 | 2 | -1 | 3 |
| 14506 | 0 | 0 | 1 |
| 14507 | 0 | 0 | 1 |
| 14512 | 0 | -1 | NA |
| 14520 | 2 | 1 | 4 |
| 14527 | 1 | -1 | 2 |
| 14531 | 3 | 1 | 5 |
| 14532 | 0 | 0 | NA |
| 14535 | 1 | -1 | 2 |
| 14543 | 0 | 0 | 1 |
| 14554 | 2 | 0 | 4 |
| 14556 | 3 | 2 | 5 |
| 14557 | 2 | 0 | 4 |
| 14561 | 1 | -1 | 2 |
| 14562 | 3 | -1 | NA |
| 14567 | 0 | -2 | 0 |
| 14568 | 0 | -2 | 0 |
| 14574 | 3 | -1 | 4 |
| 14575 | 1 | 0 | 3 |
| 14579 | 3 | -1 | 4 |
| 14581 | 2 | 0 | 4 |
| 14582 | 1 | -2 | NA |
| 14586 | 0 | 0 | 1 |
| 14591 | 1 | 0 | 3 |
| 14598 | 1 | 0 | 3 |
| 14599 | 1 | 0 | NA |
| 14600 | 0 | -1 | 1 |
| 14612 | 4 | 0 | 5 |
| 14613 | 0 | -1 | 1 |
| 14624 | 3 | 1 | 5 |
| 14626 | 1 | 0 | 3 |
| 14630 | 3 | 0 | 4 |
| 14633 | 1 | 1 | 3 |
| 14639 | 1 | 0 | NA |
| 14642 | 2 | 0 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|---------|-----------------------|-------------|----------------------|
| 14643 | 4 | 0 | 5 |
| 14649 | 1 | 1 | 3 |
| 14650 | 0 | 0 | 1 |
| 14653 | 1 | 0 | 3 |
| 14655 | 1 | -1 | 2 |
| 14656 | 1 | -1 | 2 |
| 14662 | 2 | 0 | 4 |
| 14663 | 0 | 1 | 2 |
| 14673 | 1 | 0 | 3 |
| 14674 | 1 | -1 | 2 |
| 14676 | 2 | 0 | 4 |
| 14682 | 0 | 0 | 1 |
| 14685 | 4 | 0 | 5 |
| 14689 | 1 | 0 | 3 |
| 14693 | 1 | 0 | 3 |
| 14697 | 1 | 0 | 3 |
| 14700 | 1 | 0 | 3 |
| 14704 | 0 | 1 | NA |
| 14710 | 2 | -1 | 4 |
| 14719 | 2 | 0 | 3 |
| 14724 | $\overline{2}$ | 1 | 4 |
| 14728 | 3 | 0 | 4 |
| 14735 | $\stackrel{\circ}{2}$ | 0 | 3 |
| 14736 | 1 | -1 | NA |
| 14741 | 0 | 0 | NA |
| 14744 | 1 | 1 | 3 |
| 14753 | 0 | 0 | 1 |
| 14756 | 3 | 0 | 4 |
| 14762 | 3 | 1 | 5 |
| 14765 | 4 | 0 | 5 |
| 14783 | 4 | 0 | 5 |
| 14784 | 1 | -1 | $\overset{\circ}{2}$ |
| 14786 | 0 | 0 | 1 |
| 14790 | 1 | -1 | 2 |
| 14793 | 2 | -1 | 3 |
| 14796 | 4 | 1 | 6 |
| 14801 | 0 | 1 | $\overset{\circ}{2}$ |
| 14807 | 0 | -1 | 1 |
| 14812 | $\overset{\circ}{2}$ | 0 | 4 |
| 14815 | 3 | 1 | 5 |
| 14831 | 3 | 0 | 4 |
| 14833 | 4 | 1 | 5 |
| 14836 | 4 | 1 | 5 |
| 14856 | 3 | 0 | 4 |
| 14859 | 1 | 0 | NA |
| 14861 | 1 | 1 | 3 |
| 14863 | 0 | -1 | -1 |
| 14865 | 0 | 0 | 1 |
| 14880 | 0 | 0 | 1 |
| 14881 | 2 | 0 | 4 |
| 14883 | 0 | -1 | 1 |
| 14884 | 3 | 1 | NA |
| 1 100 1 | - | _ | 1,111 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 14894 | 2 | 0 | 4 |
| 14896 | 3 | 0 | 4 |
| 14899 | 2 | -1 | 4 |
| 14900 | 2 | -1 | 4 |
| 14901 | 0 | 0 | NA |
| 14906 | 2 | 0 | 4 |
| 14907 | 0 | 0 | 1 |
| 14915 | 3 | 1 | 5 |
| 14919 | 1 | -1 | NA |
| 14926 | 4 | 1 | 5 |
| 14927 | 1 | -1 | 2 |
| 14933 | 2 | -1 | 4 |
| 14937 | 2 | -1 | 3 |
| 14939 | 2 | -1 | NA |
| 14940 | 0 | 0 | 1 |
| 14943 | 0 | -1 | 1 |
| 14953 | 2 | 0 | 4 |
| 14954 | 1 | -1 | 2 |
| 14969 | 2 | 0 | 4 |
| 14999 | 4 | 2 | NA |
| 15008 | 2 | 0 | 4 |
| 15009 | 2 | 0 | NA |
| 15018 | 2 | 1 | 4 |
| 15023 | 2 | 0 | 4 |
| 15025 | 0 | 0 | 2 |
| 15034 | 2 | 0 | NA |
| 15036 | 3 | 0 | 4 |
| 15051 | 0 | 1 | 2 |
| 15052 | 2 | -1 | 3 |
| 15064 | 2 | 0 | 4 |
| 15070 | 2 | 0 | 3 |
| 15074 | 2 | 1 | 4 |
| 15077 | 2 | 1 | 4 |
| 15081 | 2 | 0 | 4 |
| 15086 | 4 | 1 | 5 |
| 15093 | 0 | -1 | 1 |
| 15094 | 0 | 2 | 2 |
| 15103 | 1 | -1 | 2 |
| 15104 | 0 | -2 | NA |
| 15110 | 0 | 0 | 1 |
| 15112 | 1 | -2 | 2 |
| 15115 | 2 | 2 | NA |
| 15131 | 0 | 0 | 1 |
| 15139 | 3 | -2 | 4 |
| 15141 | 2 | 0 | 4 |
| 15148 | 0 | -1 | 1 |
| 15154 | 4 | 1 | NA |
| 15156 | 2 | -1 | 3 |
| 15161 | 1 | 0 | 3 |
| 15167 | 2 | -1 | 3 |
| 15178 | 3 | 0 | NA |
| 15205 | 3 | 0 | 4 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------------|---------------|---------|
| 15207 | 0 | 1 | NA |
| 15222 | $\overset{\circ}{2}$ | 0 | 4 |
| 15223 | 3 | 0 | 4 |
| 15225 | 3 | 0 | 4 |
| 15228 | 2 | 1 | NA |
| 15239 | 1 | -1 | NA |
| 15241 | 0 | 0 | 1 |
| 15246 | 0 | 0 | 1 |
| 15247 | 0 | -1 | 1 |
| 15249 | 1 | 0 | 3 |
| 15255 | 3 | -1 | NA |
| 15257 | 0 | 0 | 1 |
| 15267 | 0 | 0 | 1 |
| 15277 | $\overset{\circ}{2}$ | -1 | 3 |
| 15277 15280 | 3 | 1 | 5 |
| 15289 | 2 | 1 | NA |
| 15297 | 0 | 0 | 1 |
| 15297 15302 | 0 | 0 | 1 |
| 15302 15304 | 0 | -1 | 1 |
| 15304 15312 | 0 | -1 | 1 |
| 15312 15321 | 0 | -1 | NA |
| 15321 15325 | 0 | 0 | 1 |
| 15326 | 2 | 1 | 4 |
| 15320 15333 | 3 | 1 | NA |
| 15337 | 0 | 0 | 1 |
| 15338 | 1 | $\frac{0}{2}$ | 4 |
| 15330 15340 | 2 | $\frac{2}{2}$ | 5 |
| 15340 15342 | 1 | -1 | NA |
| 15342 15344 | 2 | -1 -1 | NA 4 |
| 15344 15347 | 0 | 0 | 1 |
| 15347 15349 | | 1 | NA |
| 15349 15355 | 3 | 1 | NA 3 |
| 15359 | 1 | 0 | |
| | 0 | 0 -1 | 1 |
| 15366 | 0 | -1 -1 | 1 NA |
| 15367 | 0 | | |
| 15368 | 0 | -1 | 1 |
| 15369 | 2 | 1 0 | NA |
| 15380 | 2 | | 4 |
| 15381 15387 | 2 | -1 | 3 |
| | 0 | 1 | 0 |
| 15388 | 1 | 0 | 3 |
| 15389 | 0 | 2 | 2 |
| 15392 | 0 | 0 | 2 |
| 15400 | 2 | -1 | 3 |
| 15405 | 1 | 1 | 3 |
| 15407 | 2 | 0 | 4 |
| 15408 | 4 | 2 | 6 |
| 15411 | 1 | 0 | 3 |
| 15413 | 3 | 0 | 4 |
| 15418 | 4 | 0 | 5 |
| 15419 | 3 | 1 | 5 |
| 15421 | 1 | 0 | 3 |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|----------------------|----------------------|-------------------|
| 15425 | 1 | 0 | 3 |
| 15436 | 2 | 0 | 4 |
| 15438 | 3 | 0 | 4 |
| 15440 | 3 | 0 | 4 |
| 15443 | 2 | 0 | 4 |
| 15460 | 1 | 0 | 2 |
| 15464 | 0 | -1 | 1 |
| 15465 | $\overset{\circ}{2}$ | -1 | 3 |
| 15473 | 0 | 0 | 1 |
| 15475 | $\overset{\circ}{2}$ | -2 | 3 |
| 15483 | 0 | 0 | 1 |
| 15494 | 4 | 0 | 5 |
| 15495 | $\overline{4}$ | $\overset{\circ}{2}$ | 6 |
| 15498 | 3 | -1 | 4 |
| 15499 | 1 | 0 | 3 |
| 15500 | 0 | 1 | $\overline{2}$ |
| 15501 | 0 | -1 | 1 |
| 15510 | 1 | -1 | $\stackrel{-}{2}$ |
| 15512 | 1 | -1 | 2 |
| 15516 | 1 | -1 | 2 |
| 15518 | 3 | 1 | NĀ |
| 15519 | 2 | 0 | 4 |
| 15524 | $\frac{1}{2}$ | -1 | 3 |
| 15527 | 0 | 0 | 2 |
| 15529 | 0 | 0 | 2 |
| 15530 | 0 | 0 | 1 |
| 15538 | 0 | 0 | 1 |
| 15539 | 1 | 0 | 3 |
| 15541 | 0 | 0 | 1 |
| 15546 | 0 | -1 | 1 |
| 15547 | 1 | 0 | NĀ |
| 15548 | 0 | 1 | NA |
| 15552 | 1 | -1 | 2 |
| 15556 | 3 | 1 | 5 |
| 15567 | 2 | -1 | NA |
| 15572 | 1 | -1 | 2 |
| 15573 | 3 | 1 | 4 |
| 15574 | 2 | 0 | 4 |
| 15577 | 0 | -1 | 1 |
| 15579 | 2 | 0 | 4 |
| 15581 | 1 | -1 | 2 |
| 15589 | 0 | -1 | 1 |
| 15596 | 1 | 0 | 3 |
| 15598 | 3 | 1 | 5 |
| 15599 | 3 | 0 | 4 |
| 15605 | 3 | 2 | 5 |
| 15606 | 3 | 0 | 5 |
| 15608 | 2 | 0 | 4 |
| 15616 | 2 | 1 | 4 |
| 15618 | 0 | 0 | 1 |
| 15621 | 0 | 0 | 1 |
| 15626 | 0 | 0 | 1 |
| | | | |

| INDEX | STARS | LabelAppeal | TARGET |
|---------------|----------------|---------------|----------------|
| 15638 | 1 | 0 | 3 |
| 15639 | 1 | -2 | NA |
| 15642 | 1 | -2 | 2 |
| 15644 | 1 | 0 | NA |
| 15646 | 4 | 1 | NA |
| 15649 | $\overline{2}$ | 1 | 4 |
| 15656 | 0 | -1 | 1 |
| 15659 | 0 | 1 | NA |
| 15680 | 0 | -1 | 1 |
| 15686 | 3 | 0 | $\overline{4}$ |
| 15693 | 0 | 1 | 2 |
| 15697 | 3 | 1 | 5 |
| 15699 | 4 | 0 | 5 |
| 15701 | 2 | 1 | 4 |
| 15705 | 0 | 0 | 1 |
| 15714 | 1 | 0 | 3 |
| 15722 | 3 | 0 | 4 |
| 15728 | 2 | 0 | NA |
| 15734 | 2 | -1 | 3 |
| 15751 15752 | 1 | -1 | 2 |
| 15756 | 2 | 0 | 4 |
| 15760 | 2 | 0 | 4 |
| 15762 | 3 | 0 | 4 |
| 15767 | 3 | -1 | 4 |
| 15768 | 0 | 0 | NA |
| 15773 | 3 | 1 | NA |
| 15774 | 2 | 0 | NA NA |
| 15781 | 1 | 1 | NA NA |
| 15781 15782 | 1 | 0 | 3 |
| 15784 | 4 | $\frac{0}{2}$ | 6 |
| 15794 15791 | 1 | 1 | NA |
| 15791 15796 | 2 | 1 | 4 |
| 15798 | 3 | 1 | 5 |
| 15806 | 0 | -1 | 1 |
| 15814 | 0 | 0 | 1 |
| 15814 | 1 | 1 | 3 |
| | | | 4 |
| 15825 15826 | $\frac{2}{2}$ | 0 1 | 4 |
| | 3 | 0 | NA |
| 15831 15835 | 3 4 | 1 | 6 |
| 15836 | 0 | -1 | 1 |
| 15839 | 4 | 0 | 5 |
| 15845 | 1 | 0 | 3 |
| 15845 15858 | 0 | 0 | 3 1 |
| 15859 | | 0 | 4 |
| 15859 15876 | $\frac{2}{2}$ | 1 | 4 |
| 15876 | 3 | 0 | NA |
| 15878 | 3 0 | 1 | NA 2 |
| 15886 | 3 | 0 | NA |
| 15888 | 3 1 | 1 | NA NA |
| | 1 | 1 | NA 3 |
| 15891 | | 1 -2 | |
| 15900 | 1 | -2 | NA |

| INDEX | STARS | LabelAppeal | TARGET |
|-------|-------|-------------|--------|
| 15902 | 3 | 0 | 4 |
| 15904 | 1 | 0 | 3 |
| 15908 | 1 | -1 | 2 |
| 15910 | 0 | -1 | 1 |
| 15917 | 1 | 1 | 4 |
| 15919 | 3 | 1 | 5 |
| 15924 | 1 | 0 | 3 |
| 15927 | 1 | 0 | 3 |
| 15937 | 0 | 0 | NA |
| 15946 | 2 | -1 | 3 |
| 15949 | 2 | -1 | 3 |
| 15957 | 2 | 1 | 4 |
| 15961 | 3 | 0 | 5 |
| 15964 | 1 | -1 | 2 |
| 15965 | 2 | -1 | 4 |
| 15966 | 0 | 1 | 2 |
| 15978 | 0 | 0 | 1 |
| 15983 | 0 | 1 | 2 |
| 15987 | 3 | -2 | NA |
| 15988 | 1 | -1 | 2 |
| 15998 | 1 | -1 | 3 |
| 16004 | 1 | 1 | 3 |
| 16008 | 3 | -1 | 4 |
| 16011 | 0 | 1 | NA |
| 16023 | 1 | 0 | 3 |
| 16024 | 1 | -1 | NA |
| 16025 | 1 | 0 | 3 |
| 16048 | 2 | 2 | NA |
| 16050 | 1 | 1 | 3 |
| 16051 | 0 | 0 | 2 |
| 16057 | 0 | 1 | 2 |
| 16059 | 3 | 1 | 5 |
| 16060 | 2 | 0 | 4 |
| 16075 | 3 | 0 | 4 |
| 16094 | 3 | 2 | 5 |
| 16096 | 3 | 1 | 5 |
| 16116 | 0 | -1 | NA |
| 16118 | 0 | 0 | 1 |
| 16121 | 2 | -2 | 3 |
| 16122 | 2 | 0 | 4 |
| 16124 | 4 | 1 | 6 |
| 16125 | 2 | 0 | 4 |
| 16126 | 1 | 0 | NA |
| 16130 | 3 | 0 | 5 |

Appendix