

# Project pt. 3

Linh Hoang

2022-12-20

## Cleaning Data

```
games <- read.csv("Video_Games_Sales_as_at_22_Dec_2016.csv", header=T)

# Remove incomplete cases
games <- na.omit(games)

# Remove rows where User_Score is "tbd"
games = filter(games, User_Score != "tbd")

# Remove rows where Year_of_Release is "N/A"
games = filter(games, Year_of_Release != "N/A")

# Convert the values of Year_of_Release and User_Score to be numeric
games$Year_of_Release <- as.numeric(games$Year_of_Release)
games$User_Score <- as.numeric(games$User_Score)

# Add 1e-5 to all values in numeric predictors
games$NA_Sales<- games$NA_Sales + 1e-5
games$EU_Sales<- games$EU_Sales + 1e-5
games$JP_Sales<- games$JP_Sales + 1e-5
games$Other_Sales<- games$Other_Sales + 1e-5
games$NA_Sales<- games$NA_Sales + 1e-5
games$Critic_Score <- games$Critic_Score + 1e-5
games$User_Score <- games$User_Score + 1e-5

# Change values of Platform that equals to '2600' to 'Atari 2600'
games$Platform[games$Platform == '2600'] <- 'Atari 2600'
summary(games)

##      Name          Platform      Year_of_Release     Genre
##  Length:6894    Length:6894     Min.   :1985     Length:6894
##  Class :character  Class :character   1st Qu.:2004     Class :character
##  Mode  :character  Mode  :character   Median :2007     Mode  :character
##                                         Mean   :2007
##                                         3rd Qu.:2011
##                                         Max.  :2016
##      Publisher        NA_Sales       EU_Sales       JP_Sales
##  Length:6894     Min.   : 0.00002  Min.   : 0.00001  Min.   :0.00001
##  Class :character  1st Qu.: 0.06002  1st Qu.: 0.02001  1st Qu.:0.00001
##  Mode  :character   Median : 0.15002  Median : 0.06001  Median :0.00001
##                                         Mean   : 0.39094  Mean   : 0.23453  Mean   :0.06388
```

```

##                               3rd Qu.: 0.39002   3rd Qu.: 0.21001   3rd Qu.:0.01001
##                               Max.    :41.36002   Max.    :28.96001   Max.    :6.50001
## Other_Sales      Global_Sales      Critic_Score      Critic_Count
## Min.    : 0.00001   Min.    : 0.0100   Min.    :13.00   Min.    : 3.00
## 1st Qu.: 0.01001   1st Qu.: 0.1100   1st Qu.:62.00   1st Qu.: 14.00
## Median  : 0.02001   Median  : 0.2900   Median  :72.00   Median  :24.00
## Mean    : 0.08201   Mean    : 0.7715   Mean    :70.26   Mean    : 28.84
## 3rd Qu.: 0.07001   3rd Qu.: 0.7500   3rd Qu.:80.00   3rd Qu.: 39.00
## Max.    :10.57001   Max.    :82.5300   Max.    :98.00   Max.    :113.00
## User_Score      User_Count      Developer      Rating
## Min.    :0.500     Min.    : 4.0     Length:6894   Length:6894
## 1st Qu.:6.500     1st Qu.: 11.0    Class :character Class :character
## Median :7.500     Median  : 27.0    Mode  :character  Mode  :character
## Mean   :7.184     Mean    : 174.4
## 3rd Qu.:8.200     3rd Qu.: 89.0
## Max.   :9.600     Max.    :10665.0

```

## Divide into training and testing data

```

# Set seed
set.seed(1343)

s <- sample(1:6894, 3447, replace=F)

# assign to datasets
train <- games[s, ]

test <- games[-s,]

# check to see if they're similar in distributions
summary(train)

```

```

##      Name          Platform      Year_of_Release      Genre
## Length:3447      Length:3447      Min.    :1994      Length:3447
## Class :character Class :character  1st Qu.:2004      Class :character
## Mode  :character Mode  :character  Median :2007      Mode  :character
##                           Mean   :2008
##                           3rd Qu.:2011
##                           Max.  :2016
##      Publisher      NA_Sales      EU_Sales      JP_Sales
## Length:3447      Min.    : 0.00002   Min.    : 0.00001   Min.    :0.00001
## Class :character 1st Qu.: 0.06002   1st Qu.: 0.02001   1st Qu.:0.00001
## Mode  :character Median : 0.15002   Median : 0.07001   Median :0.00001
##                           Mean   : 0.39536   Mean   : 0.23840   Mean   :0.06526
##                           3rd Qu.: 0.39502   3rd Qu.: 0.22001   3rd Qu.:0.02001
##                           Max.   :15.68002   Max.   :12.76001   Max.   :5.33001
##      Other_Sales      Global_Sales      Critic_Score      Critic_Count
## Min.    : 0.00001   Min.    : 0.0100   Min.    :17.00   Min.    : 3.00
## 1st Qu.: 0.01001   1st Qu.: 0.1200   1st Qu.:62.00   1st Qu.: 14.00
## Median  : 0.02001   Median  : 0.3100   Median  :72.00   Median  :25.00
## Mean    : 0.08313   Mean    : 0.7824   Mean    :70.41   Mean    : 29.41
## 3rd Qu.: 0.07001   3rd Qu.: 0.7700   3rd Qu.:80.00   3rd Qu.: 40.00
## Max.    :10.57001   Max.    :35.5200   Max.    :98.00   Max.    :113.00

```

```

##      User_Score      User_Count      Developer      Rating
##  Min.   :0.500   Min.   : 4.0   Length:3447      Length:3447
##  1st Qu.:6.500  1st Qu.: 11.0   Class :character  Class :character
##  Median :7.500  Median : 27.0   Mode  :character  Mode  :character
##  Mean   :7.193  Mean   : 185.3
##  3rd Qu.:8.200  3rd Qu.:  94.5
##  Max.   :9.600  Max.   :10665.0

summary(test)

##      Name      Platform      Year_of_Release      Genre
##  Length:3447  Length:3447  Min.   :1985      Length:3447
##  Class :character  Class :character  1st Qu.:2004      Class :character
##  Mode  :character  Mode  :character  Median :2007      Mode  :character
##                                         Mean   :2007
##                                         3rd Qu.:2010
##                                         Max.   :2016
##      Publisher      NA_Sales      EU_Sales      JP_Sales
##  Length:3447  Min.   : 0.00002  Min.   : 0.00001  Min.   :0.00001
##  Class :character  1st Qu.: 0.05002  1st Qu.: 0.02001  1st Qu.:0.00001
##  Mode  :character  Median : 0.14002  Median : 0.05001  Median :0.00001
##                                         Mean   : 0.38652  Mean   : 0.23065  Mean   :0.06249
##                                         3rd Qu.: 0.38002  3rd Qu.: 0.19001  3rd Qu.:0.01001
##                                         Max.   :41.36002  Max.   :28.96001  Max.   :6.50001
##      Other_Sales      Global_Sales      Critic_Score      Critic_Count
##  Min.   :0.00001  Min.   : 0.0100  Min.   :13.00  Min.   : 4.00
##  1st Qu.:0.01001  1st Qu.: 0.1000  1st Qu.:62.00  1st Qu.: 14.00
##  Median :0.02001  Median : 0.2700  Median :72.00  Median : 24.00
##  Mean   :0.08089  Mean   : 0.7606  Mean   :70.11  Mean   : 28.28
##  3rd Qu.:0.07001  3rd Qu.: 0.7300  3rd Qu.:81.00  3rd Qu.: 39.00
##  Max.   :8.45001  Max.   :82.5300  Max.   :98.00  Max.   :107.00
##      User_Score      User_Count      Developer      Rating
##  Min.   :0.500   Min.   : 4.0   Length:3447      Length:3447
##  1st Qu.:6.400  1st Qu.: 11.0   Class :character  Class :character
##  Median :7.500  Median : 27.0   Mode  :character  Mode  :character
##  Mean   :7.175  Mean   : 163.5
##  3rd Qu.:8.200  3rd Qu.:  85.0
##  Max.   :9.600  Max.   :10179.0

```

## EDAs

```

# Histogram of NA_Sales
outlier_cutoff = quantile(train$NA_Sales, 0.75) + 1.5 * IQR(games$NA_Sales)

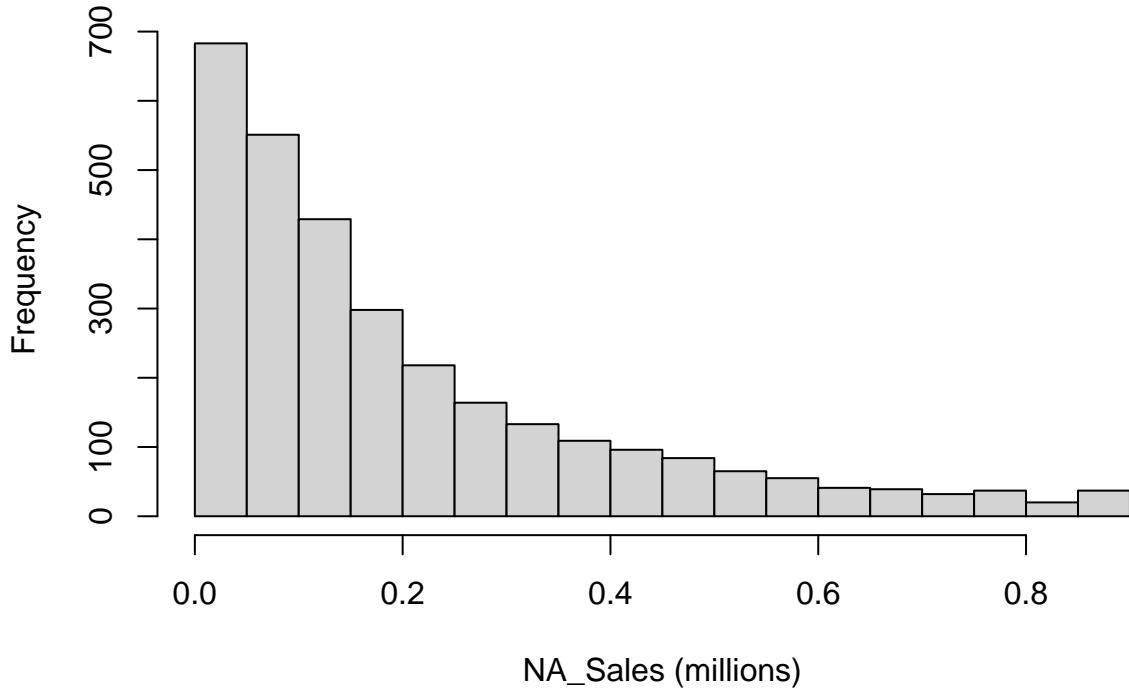
index_outlier_N = which(train$NA_Sales > outlier_cutoff)

data_N = train[-index_outlier_N,]

hist(data_N$NA_Sales, main="Histogram of NA_Sales", xlab="NA_Sales (millions)")

```

## Histogram of NA\_Sales



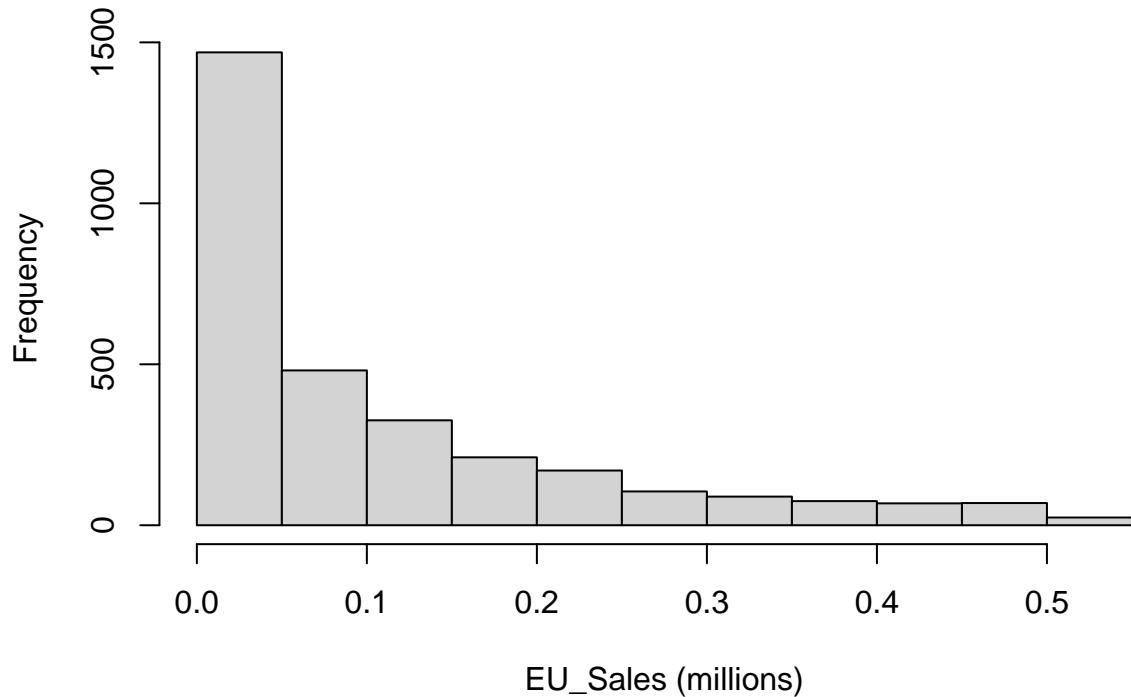
```
# Histogram of EU_Sales
outlier_cutoff = quantile(train$EU_Sales, 0.75) + 1.5 * IQR(train$EU_Sales)

index_outlier_E = which(train$EU_Sales > outlier_cutoff)

data_E = train[-index_outlier_E,]

hist(data_E$EU_Sales, main="Histogram of EU_Sales", xlab="EU_Sales (millions)")
```

## Histogram of EU\_Sales



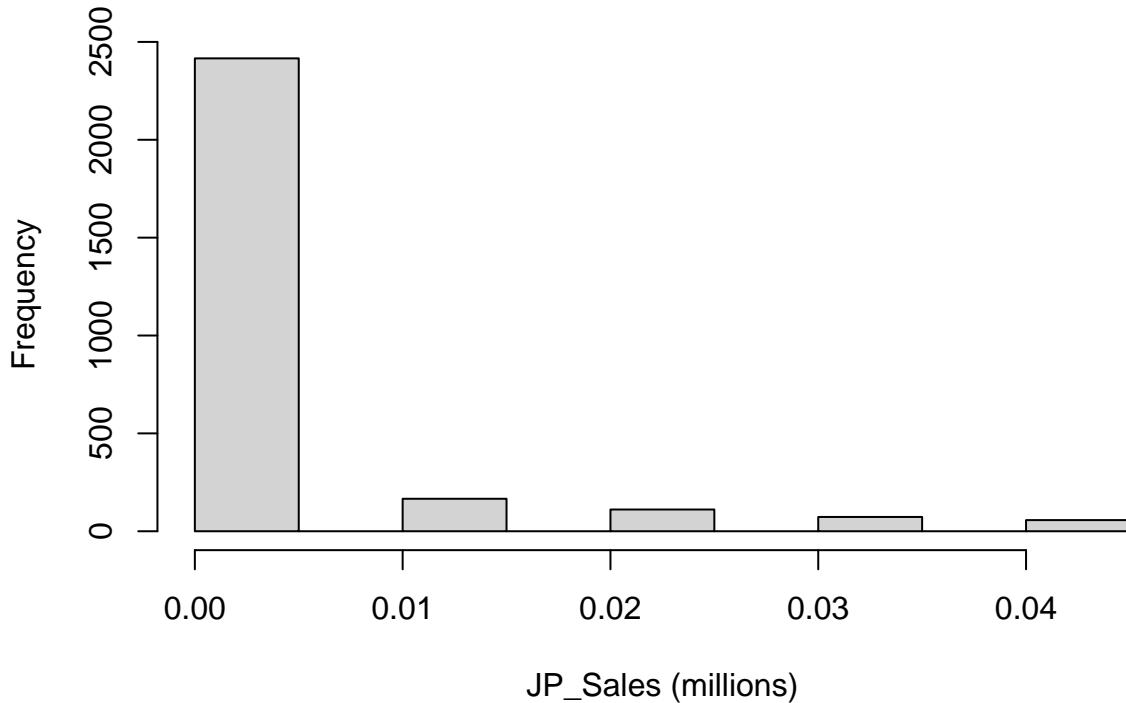
```
# Histogram of JP_Sales
outlier_cutoff = quantile(train$JP_Sales, 0.75) + 1.5 * IQR(train$JP_Sales)

index_outlier_J = which(train$JP_Sales > outlier_cutoff)

data_J = train[-index_outlier_J,]

hist(data_J$JP_Sales, main="Histogram of JP_Sales", xlab="JP_Sales (millions)")
```

### Histogram of JP\_Sales



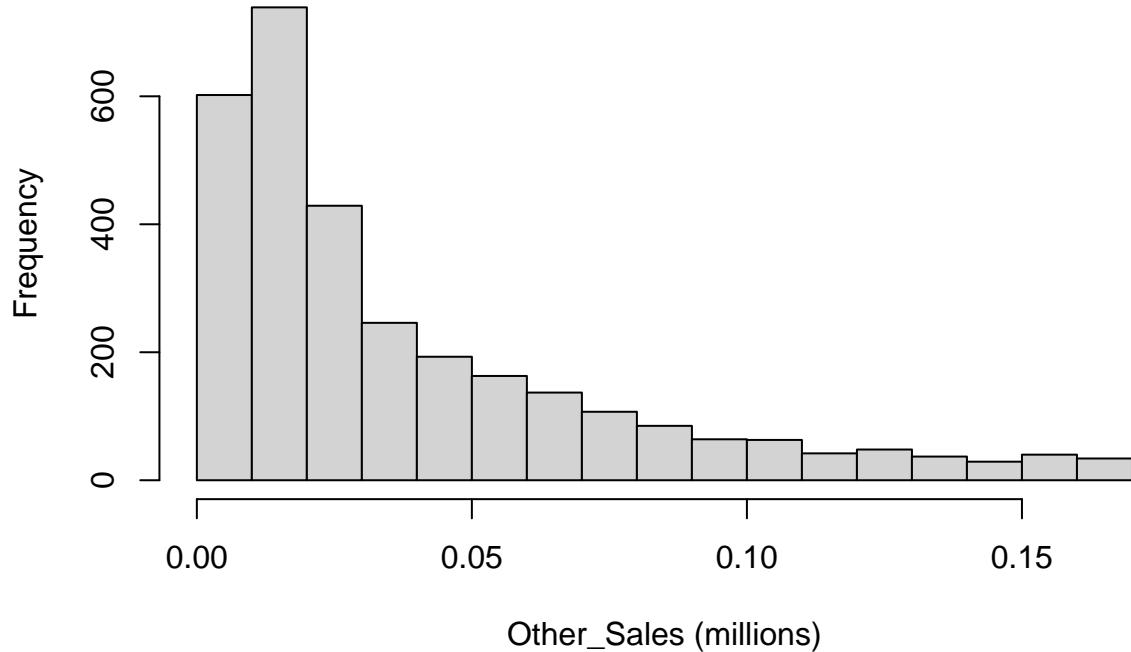
```
# Histogram of Other_Sales
outlier_cutoff = quantile(train$Other_Sales, 0.75) + 1.5 * IQR(train$Other_Sales)

index_outlier_0 = which(train$Other_Sales > outlier_cutoff)

data_0 = train[-index_outlier_0,]

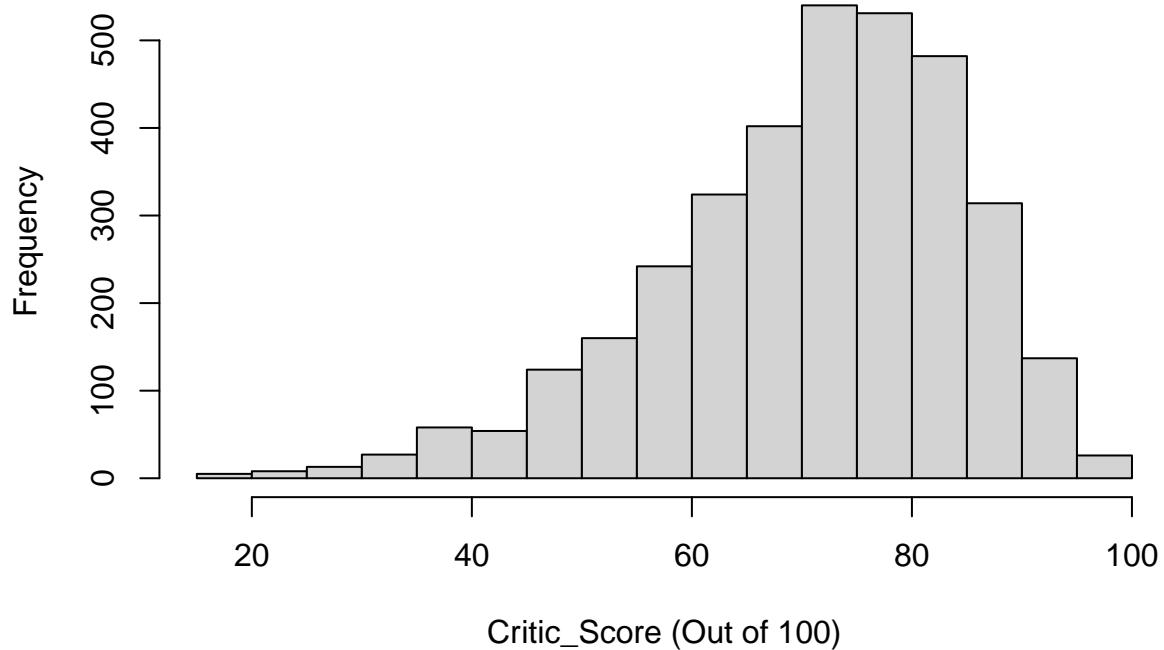
hist(data_0$Other_Sales, main="Histogram of Other_Sales", xlab="Other_Sales (millions)")
```

## Histogram of Other\_Sales



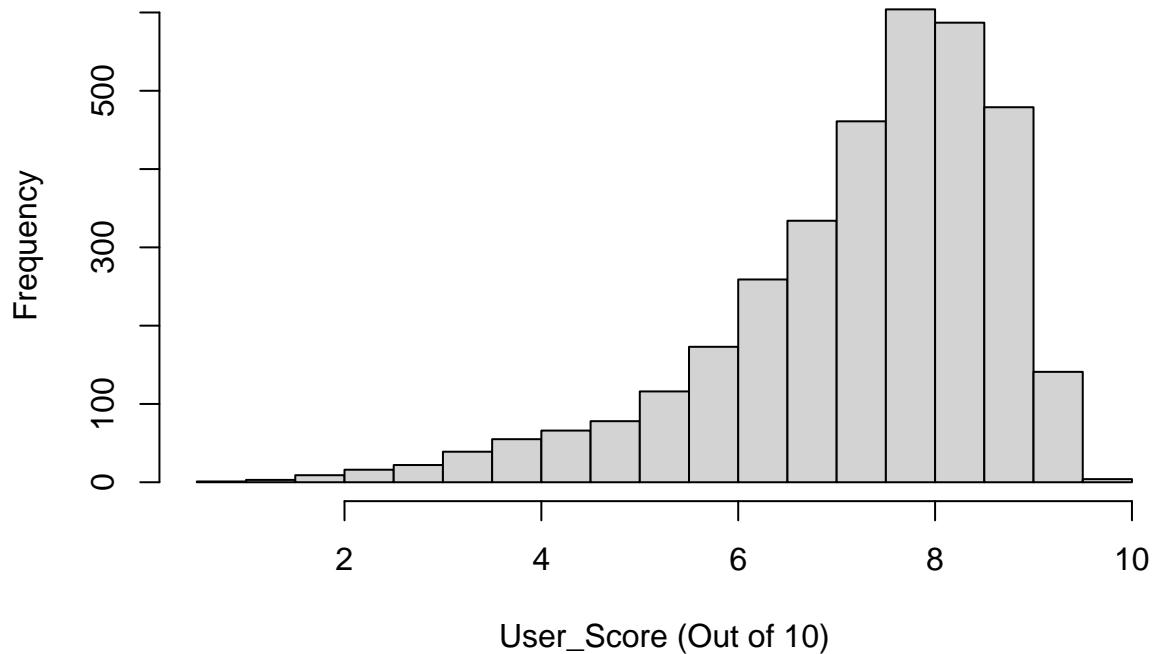
```
# Histogram of Critic_Score
hist(train$Critic_Score, main="Histogram of Critic_Score", xlab="Critic_Score (Out of 100)")
```

## Histogram of Critic\_Score



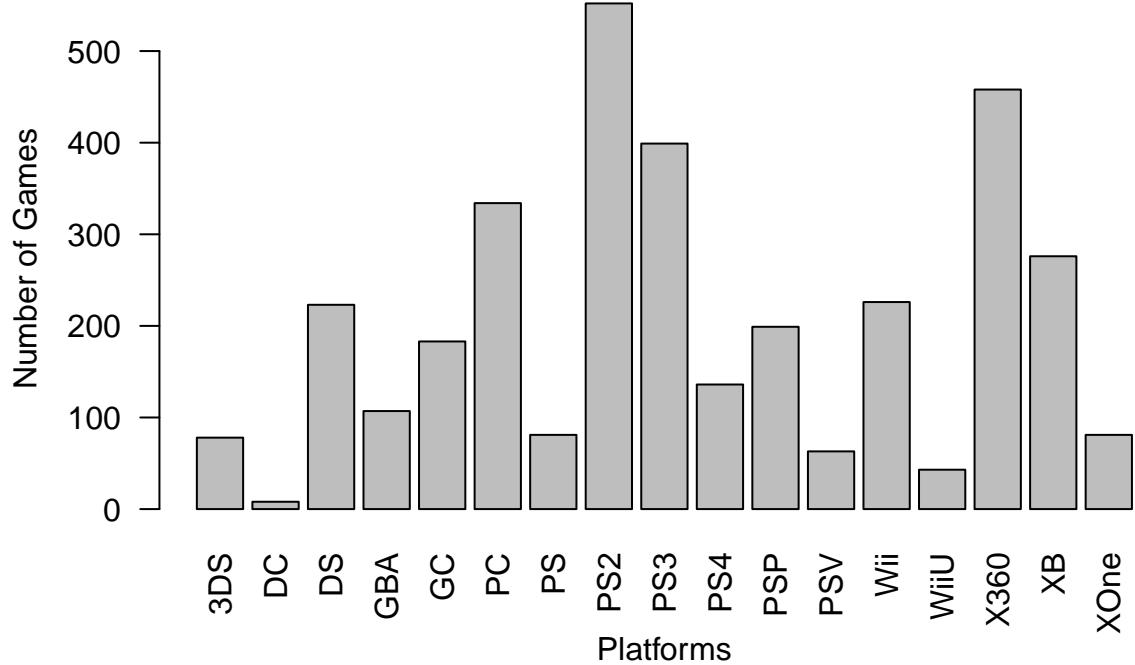
```
# Histogram of User_Score
hist(train$User_Score, main="Histogram of User_Score", xlab="User_Score (Out of 10)")
```

## Histogram of User\_Score



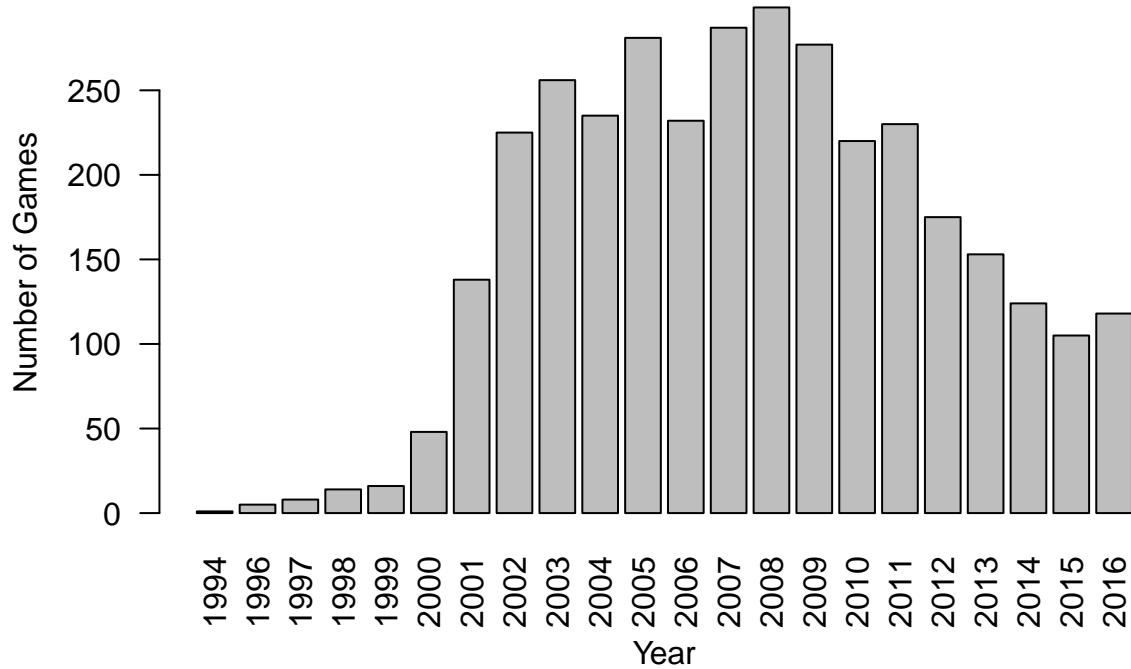
```
# Barplot of Categorical Variables
# Barplot for Platform
counts <- table(train$Platform)
barplot(counts, main="Number of Games Released Under a Platform", las = 2,
       xlab="Platforms", ylab = "Number of Games")
```

## Number of Games Released Under a Platform



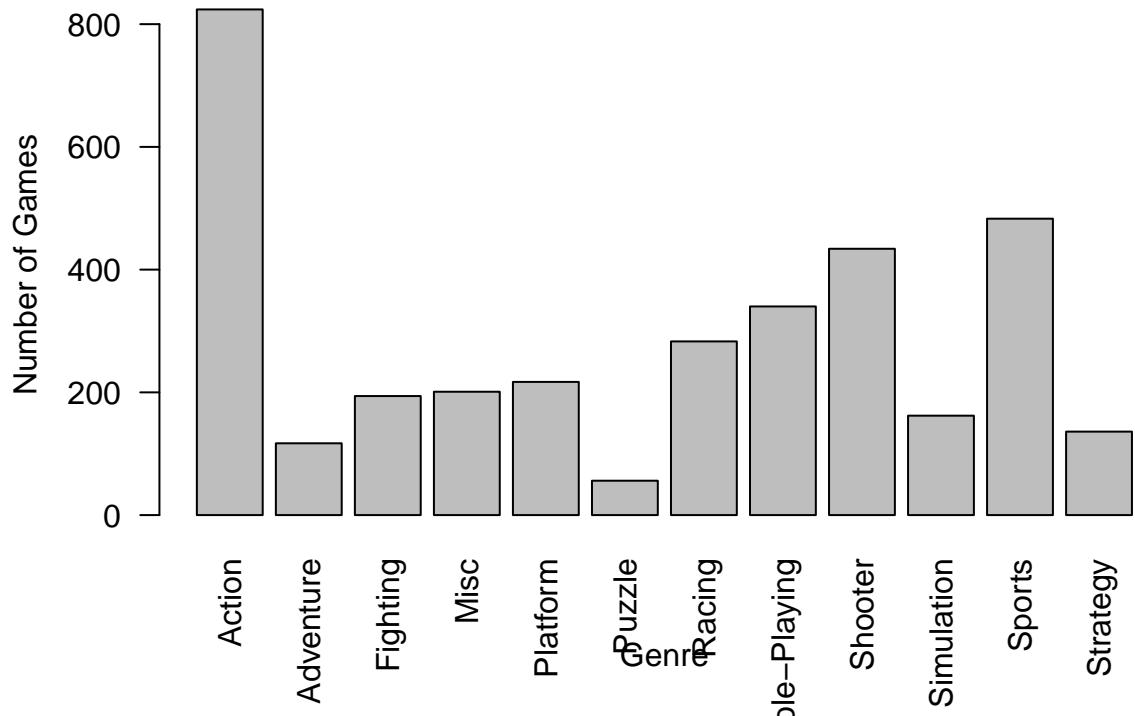
```
# Barplot for Year_of_Release
counts <- table(train$Year_of_Release)
barplot(counts, main="Number of Games Released On a Year", las = 2,
       xlab="Year", ylab = "Number of Games")
```

## Number of Games Released On a Year



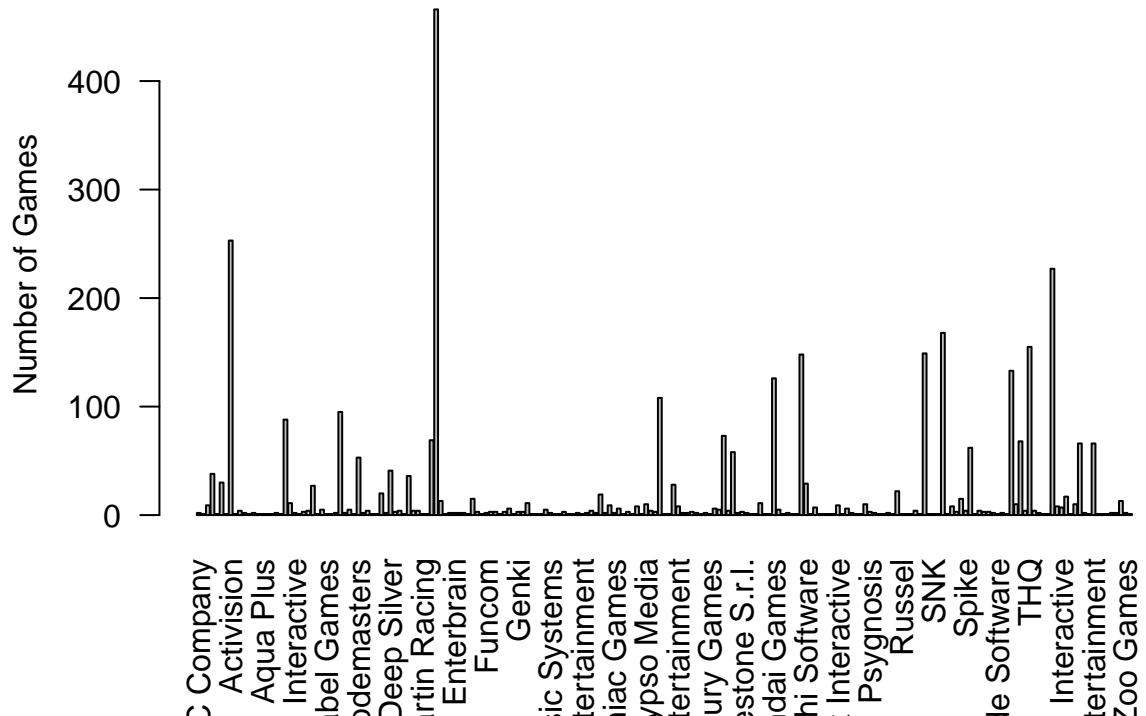
```
# Barplot for Genre
counts <- table(train$Genre)
barplot(counts, main="Number of Games Released For a Genre", las = 2,
       xlab="Genre", ylab = "Number of Games")
```

## Number of Games Released For a Genre

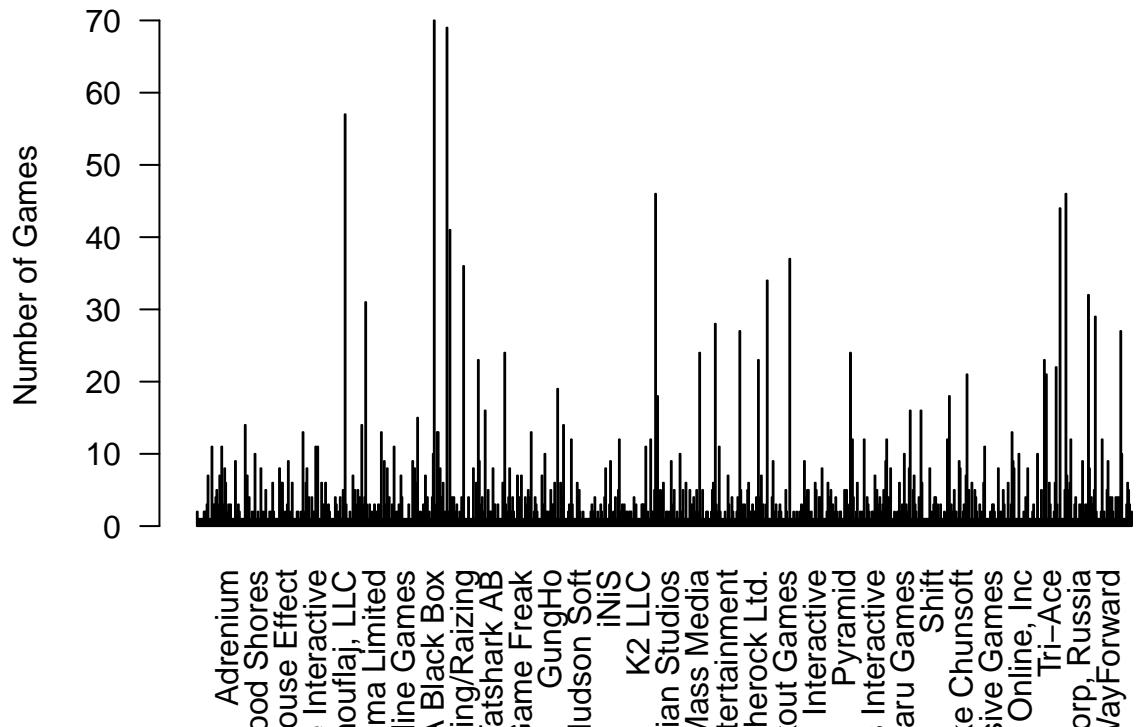


```
# Barplot for Publisher
counts <- table(train$Publisher)
barplot(counts, main="Number of Games Released By a Publisher", las = 2, ylab = "Number of Games")
```

## Number of Games Released By a Publisher

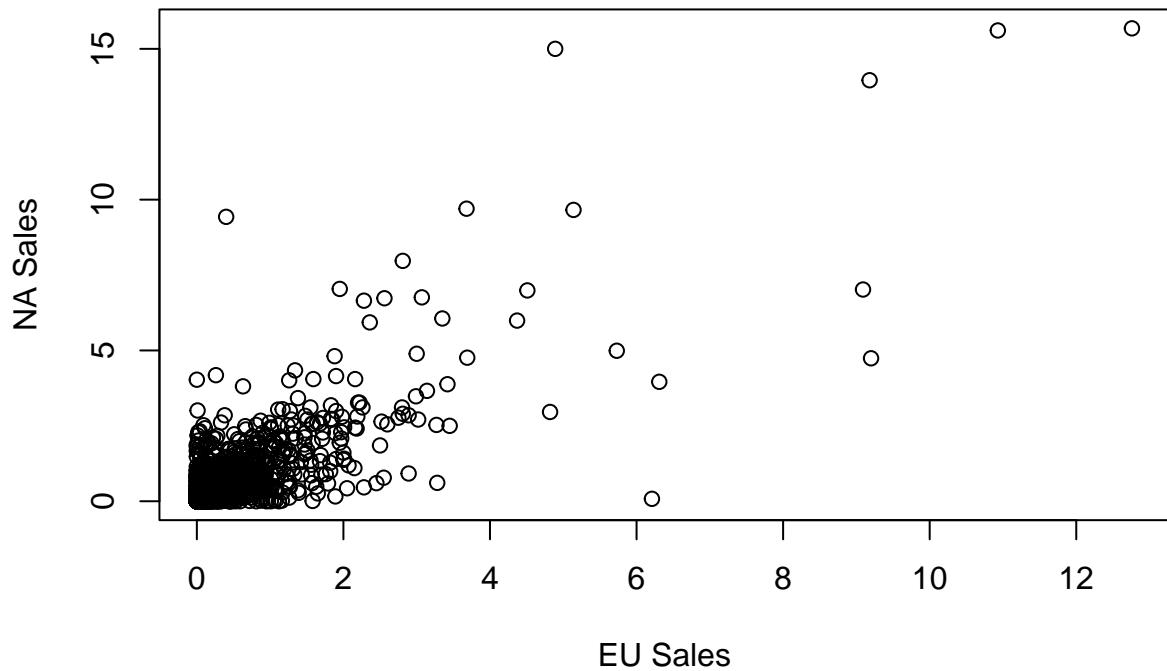


# Number of Games Created By a Developer

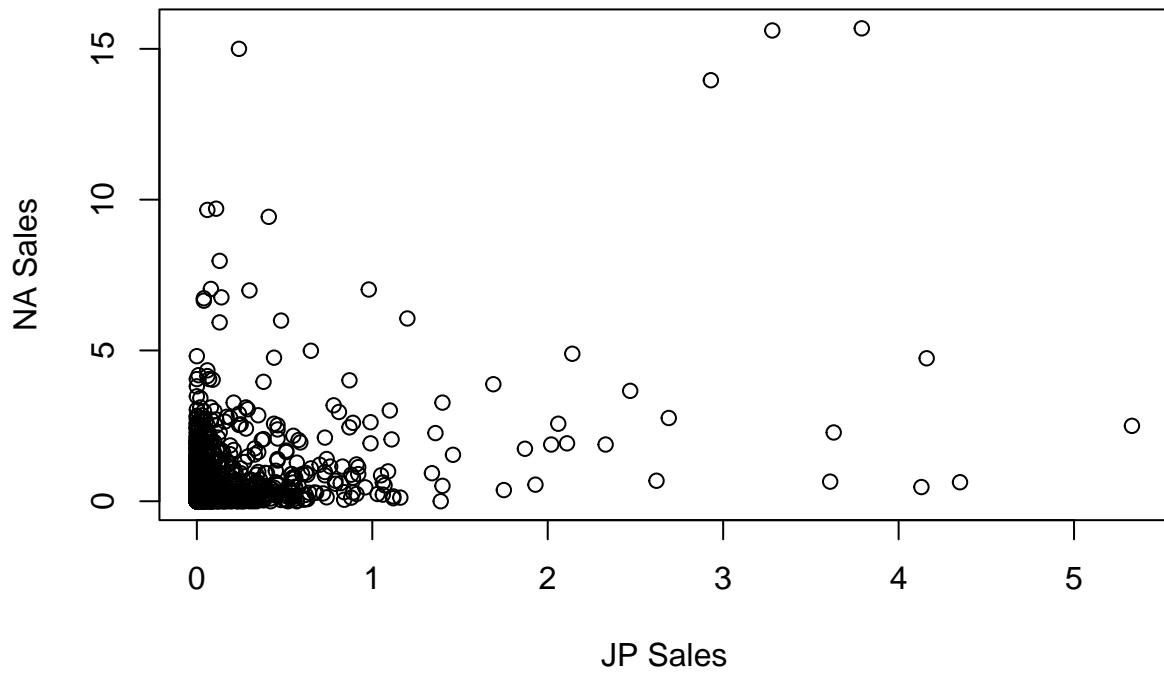


## # Scatter Plots

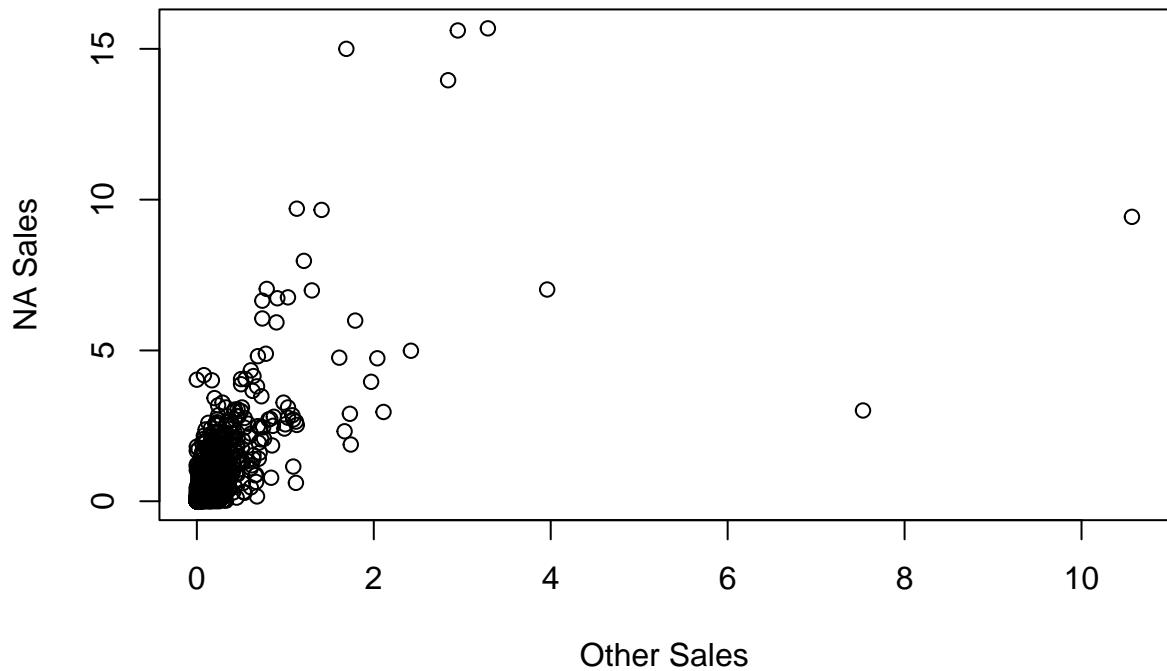
```
plot(train$NA_Sales ~ train$EU_Sales, xlab="EU Sales", ylab="NA Sales")
```



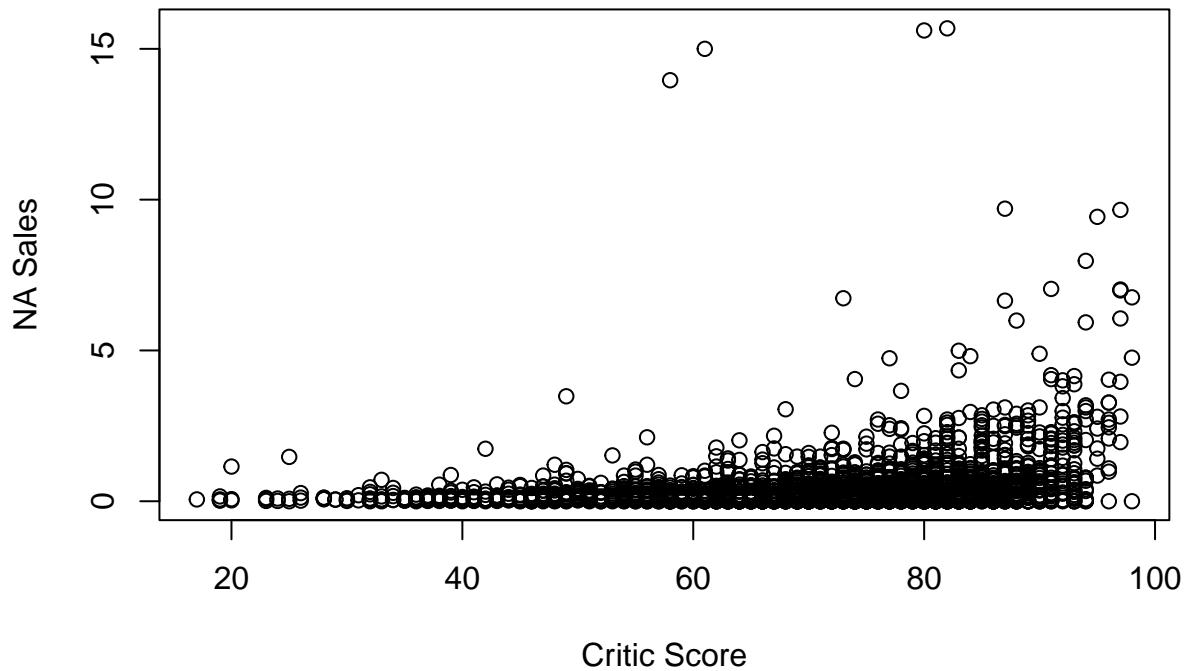
```
plot(train$NA_Sales ~ train$JP_Sales, xlab="JP Sales", ylab="NA Sales")
```



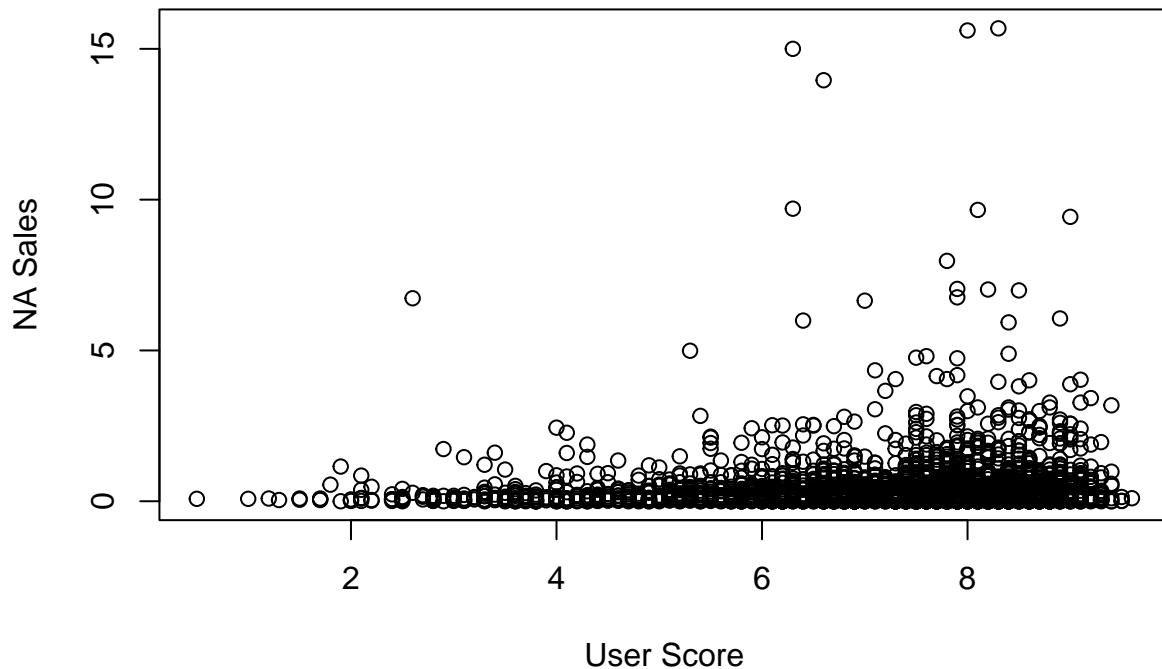
```
plot(train$NA_Sales ~ train$Other_Sales, xlab="Other Sales", ylab="NA Sales")
```



```
plot(train$NA_Sales ~ train$Critic_Score, xlab="Critic Score", ylab="NA Sales")
```



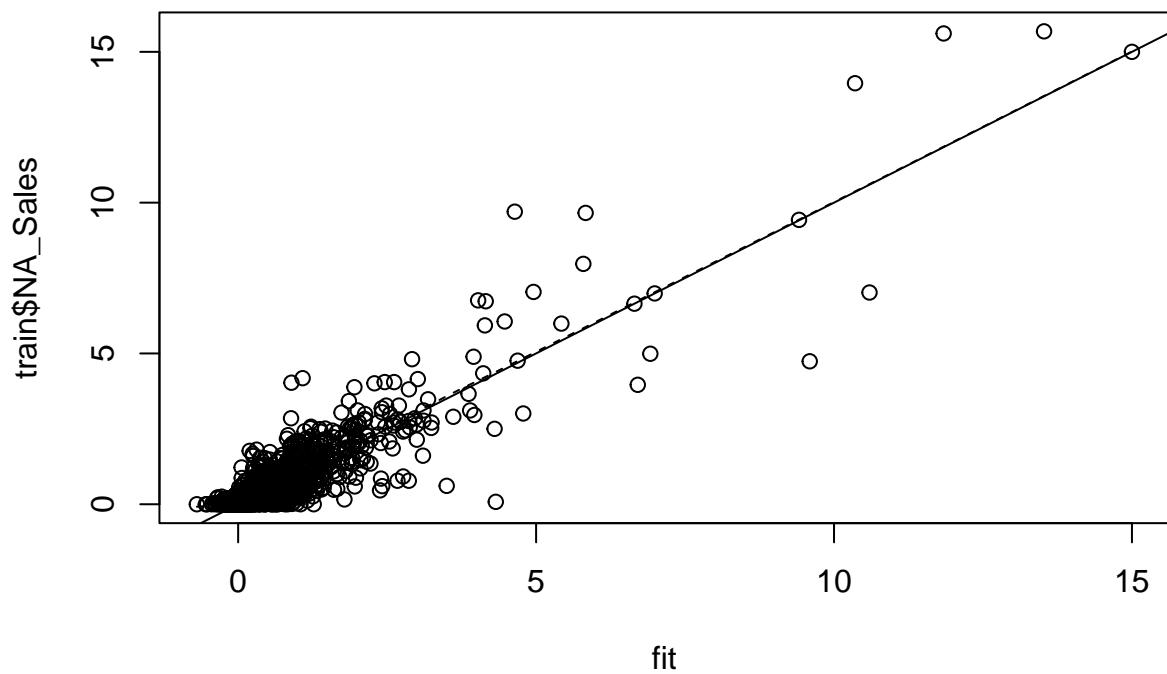
```
plot(train$NA_Sales ~ train$User_Score, xlab="User Score", ylab="NA Sales")
```



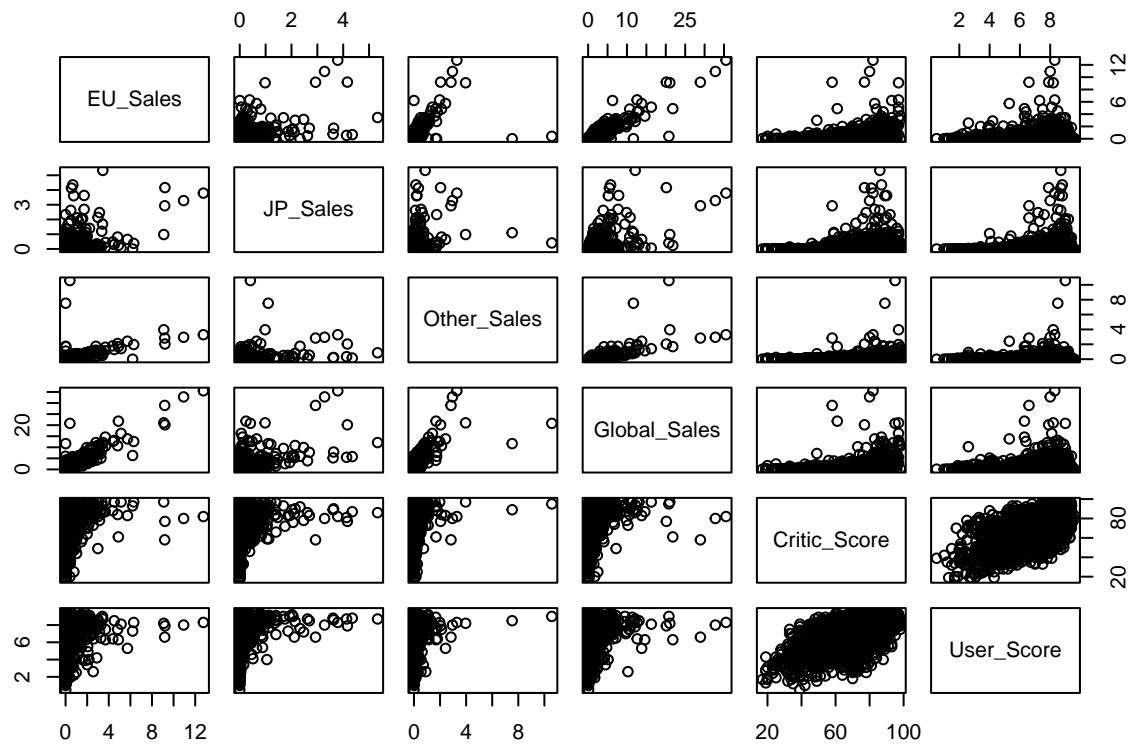
## Fit initial model, check assumptions

```
# Fit model
model1 <- lm(NA_Sales ~ Genre + User_Score + Critic_Score +
             Platform + Publisher + Developer + EU_Sales +
             JP_Sales + Other_Sales + Year_of_Release,
             data=train)

# check condition 1
fit <- model1$fitted.values
plot(train$NA_Sales ~ fit)
abline(a = 0, b = 1)
lines(lowess(train$NA_Sales ~ fit), lty=2)
```



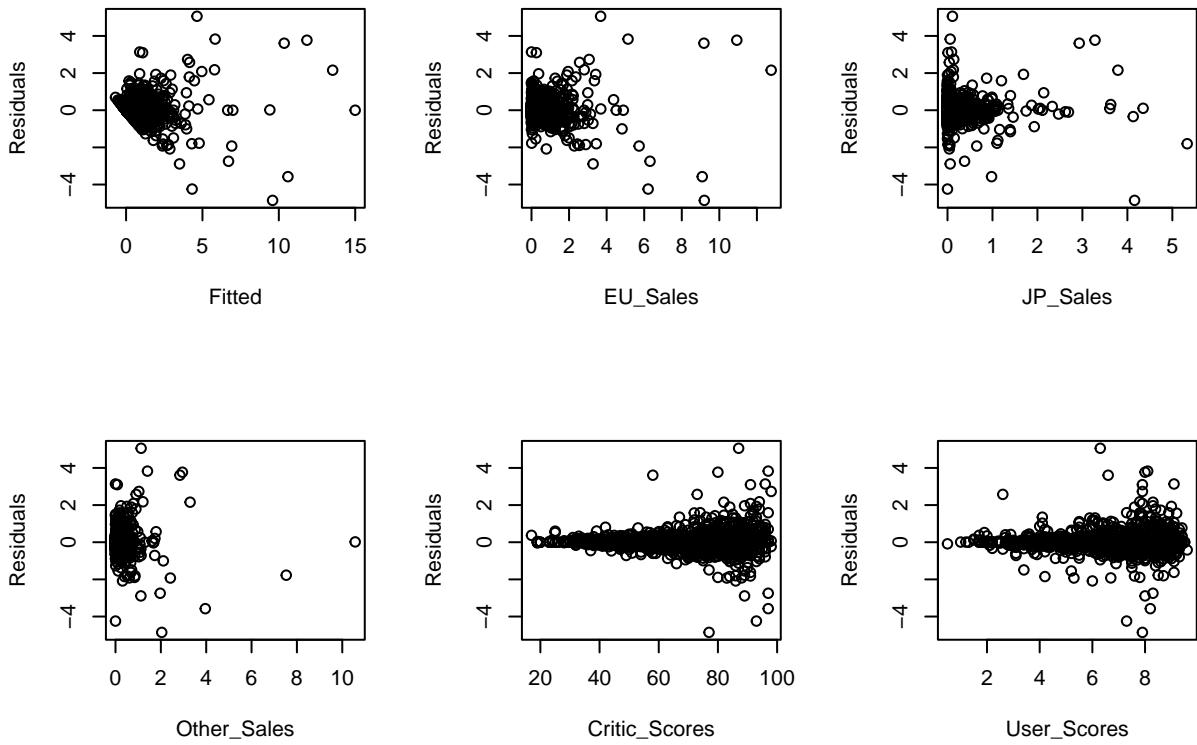
```
# check condition 2
pairs(train[c(7, 8, 9, 10, 11, 13)])
```



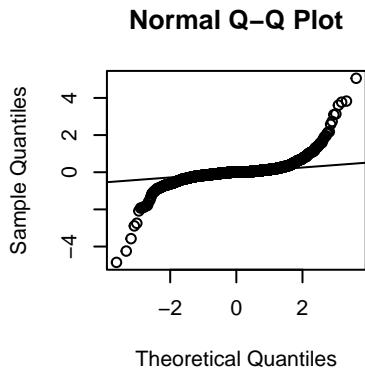
Both conditions appear to hold.

## Check linear model assumptions

```
par(mfrow=c(2,3))
r <- model1$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,7], xlab="EU_Sales", ylab="Residuals")
plot(r ~ train[,8], xlab="JP_Sales", ylab="Residuals")
plot(r ~ train[,9], xlab="Other_Sales", ylab="Residuals")
plot(r ~ train[,11], xlab="Critic_Scores", ylab="Residuals")
plot(r ~ train[,13], xlab="User_Scores", ylab="Residuals")
```



```
qqnorm(r)
qqline(r)
```



Fanning can be seen in half the residual graphs and there is some deviations from normality in the QQ plot. Constant variance and normality assumptions appear to be violated.

## Transform data

```
transform <- powerTransform(cbind(games[c(6, 7, 8, 9, 11, 13)]))
summary(transform)

## bcPower Transformations to Multinormality
##          Est Power Rounded Pwr Wald Lwr Bnd Wald Upr Bnd
## NA_Sales      0.2764      0.28     0.2698      0.2830
## EU_Sales      0.2558      0.26     0.2495      0.2621
## JP_Sales     -0.3077     -0.31    -0.3185     -0.2969
## Other_Sales    0.2625      0.26     0.2569      0.2681
## Critic_Score   2.1074      2.11     2.0124      2.2024
## User_Score     2.6966      2.70     2.5971      2.7961
##
## Likelihood ratio test that transformation parameters are equal to 0
## (all log transformations)
##                               LRT df      pval
## LR test, lambda = (0 0 0 0 0 0) 27857.97 6 < 2.22e-16
##
## Likelihood ratio test that no transformations are needed
##                               LRT df      pval
## LR test, lambda = (1 1 1 1 1 1) 176077.8 6 < 2.22e-16
```

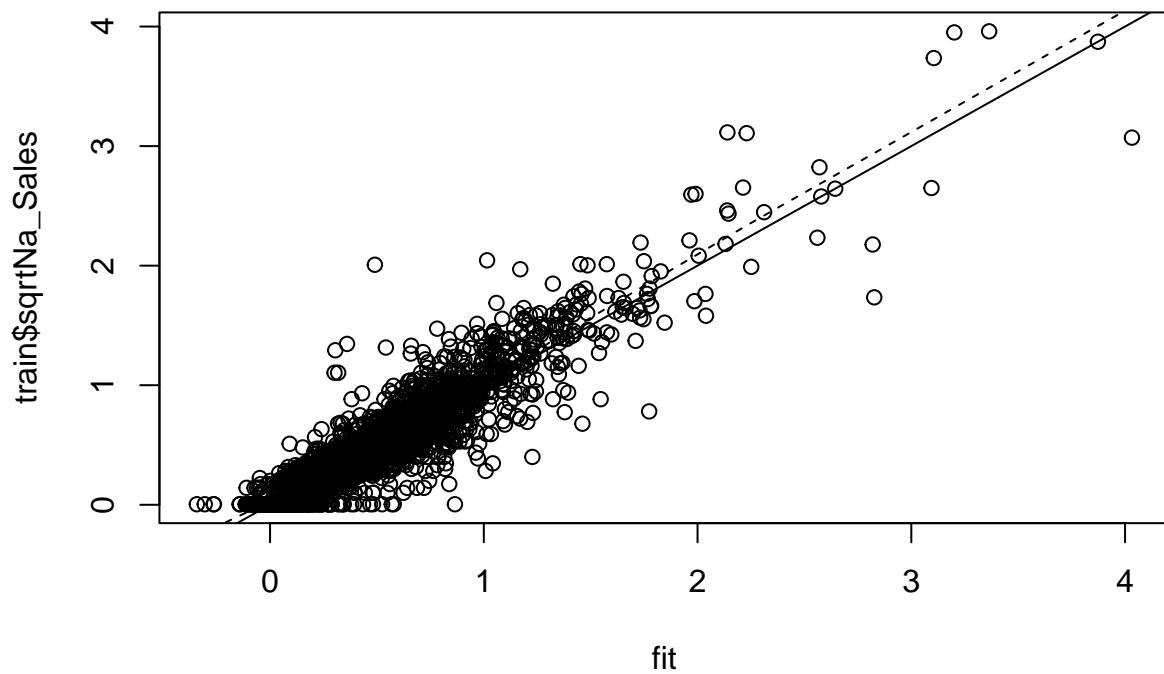
Based on box cox, square root should be applied to all sales predictors except JP\_Sales; JP\_sales should have an inverse squared transformation and; Critic\_Score and User\_Score should have a square and cube transformation respectively.

## Apply transformations

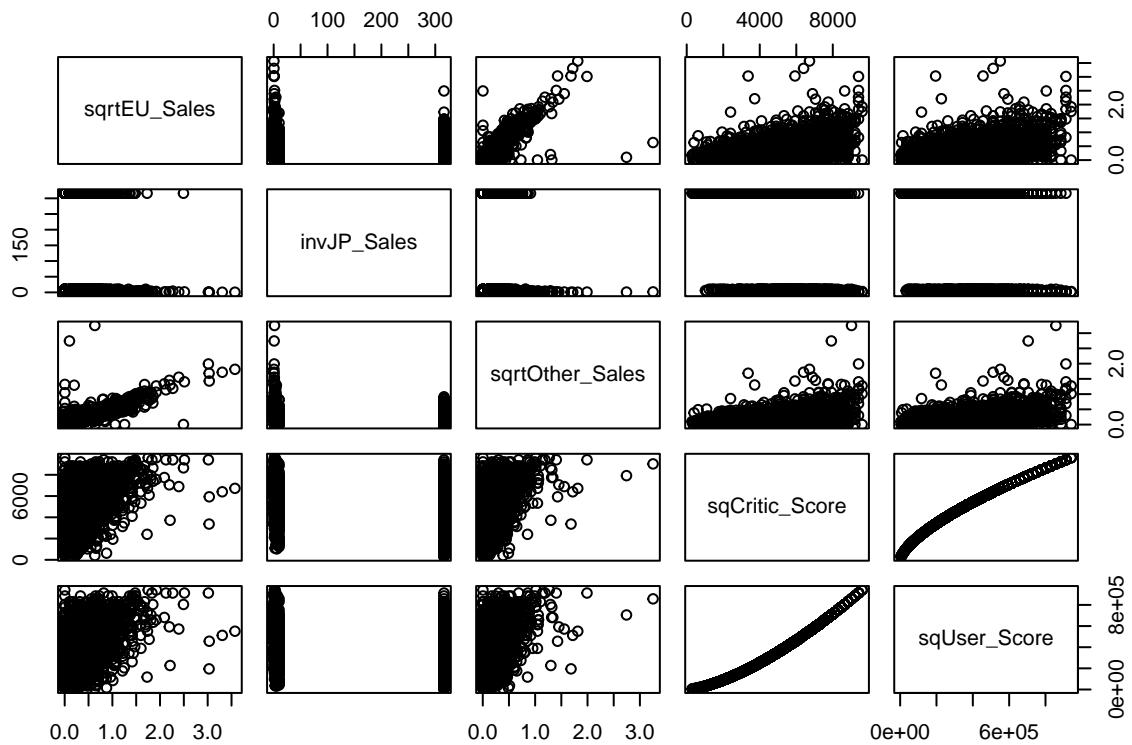
```
# create transformed variables
train$sqrtNa_Sales <- sqrt(train$NA_Sales)
train$sqrtEU_Sales <- sqrt(train$EU_Sales)
train$invJP_Sales <- 1/sqrt(train$JP_Sales)
train$sqrtOther_Sales <- sqrt(train$Other_Sales)
train$sqCritic_Score <- (train$Critic_Score)^2
train$sqUser_Score <- (train$Critic_Score)^3

# re-fit the model with new variables
model2 <- lm(sqrtNa_Sales ~ Genre + sqUser_Score +
              sqCritic_Score + Platform + Publisher +
              Developer + sqrtEU_Sales + invJP_Sales +
              sqrtOther_Sales + Year_of_Release,
              data=train)

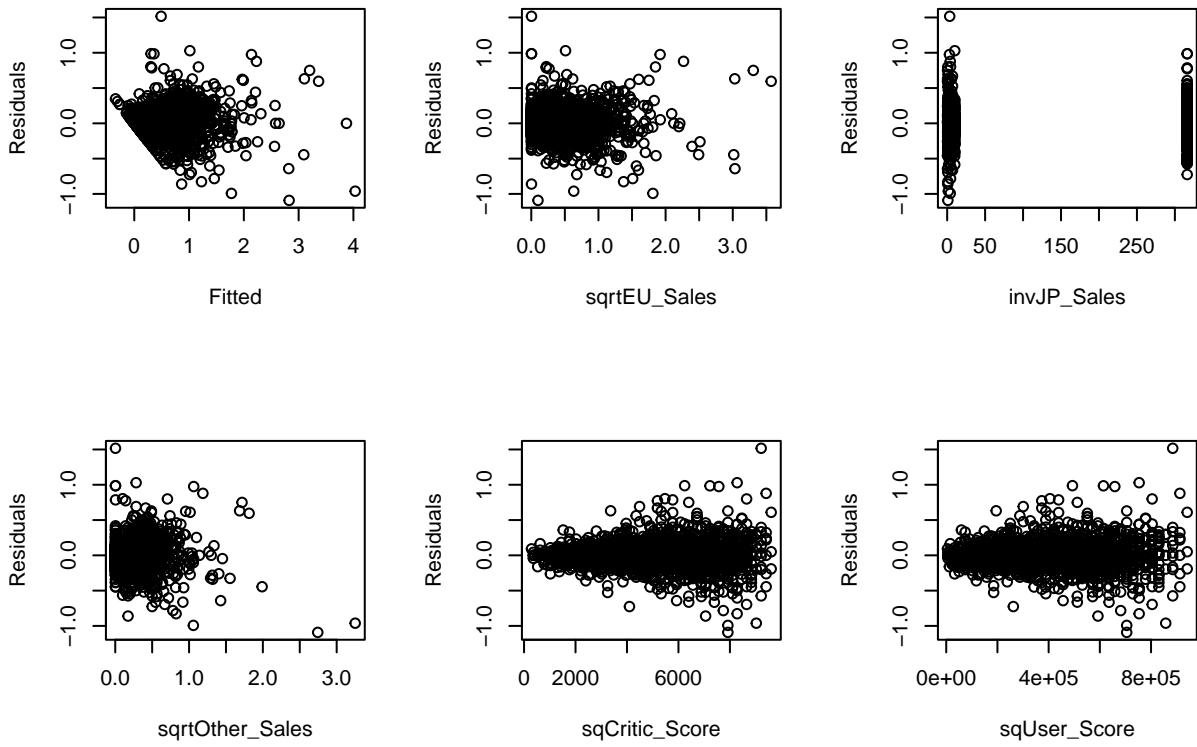
# re-check all the conditions and assumptions
# check condition 1
fit <- model2$fitted.values
plot(train$sqrtNa_Sales ~ fit)
abline(a = 0, b = 1)
lines(lowess(train$sqrtNa_Sales ~ fit), lty=2)
```



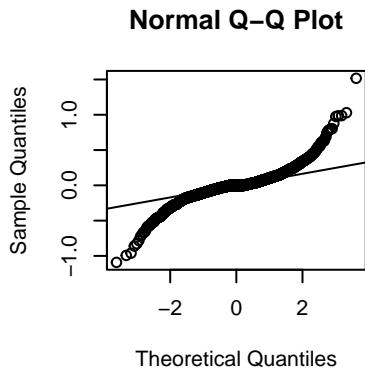
```
# check condition 2
pairs(train[c(18, 19, 20, 21, 22)])
```



```
# check assumptions
par(mfrow=c(2,3))
r <- model2$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,18], xlab="sqrtEU_Sales", ylab="Residuals")
plot(r ~ train[,19], xlab="invJP_Sales", ylab="Residuals")
plot(r ~ train[,20], xlab="sqrtOther_Sales", ylab="Residuals")
plot(r ~ train[,21], xlab="sqCritic_Score", ylab="Residuals")
plot(r ~ train[,22], xlab="sqUser_Score", ylab="Residuals")
```



```
qqnorm(r)
qqline(r)
```



Transformation to response did not lead to normalization. Limitation of results found

## ANOVA F test

```
summary(model2)

##
## Call:
## lm(formula = sqrtNa_Sales ~ Genre + sqUser_Score + sqCritic_Score +
##     Platform + Publisher + Developer + sqrtEU_Sales + invJP_Sales +
##     sqrtOther_Sales + Year_of_Release, data = train)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.09163 -0.06009  0.00000  0.05285  1.51711
##
## Coefficients: (52 not defined because of singularities)
##             Estimate
## (Intercept) 2.003e+01
## GenreAdventure -3.202e-03
## GenreFighting 2.018e-02
## GenreMisc 2.981e-02
## GenrePlatform 3.557e-02
## GenrePuzzle -1.029e-01
## GenreRacing -2.422e-02
## GenreRole-Playing -1.285e-03
```

## GenreShooter	1.310e-02
## GenreSimulation	-2.200e-03
## GenreSports	-3.969e-03
## GenreStrategy	-8.177e-02
## sqUser_Score	7.931e-07
## sqCritic_Score	-6.160e-05
## PlatformDC	-3.167e-01
## PlatformDS	1.111e-02
## PlatformGBA	2.507e-02
## PlatformGC	6.319e-02
## PlatformPC	-1.940e-01
## PlatformPS	3.353e-02
## PlatformPS2	-7.662e-02
## PlatformPS3	-8.070e-02
## PlatformPS4	-1.653e-01
## PlatformPSP	-8.809e-02
## PlatformPSV	-1.738e-01
## PlatformWii	7.623e-02
## PlatformWiiU	-5.968e-02
## PlatformX360	9.257e-02
## PlatformXB	4.671e-02
## PlatformXOne	5.794e-02
## Publisher2D Boy	-1.864e-01
## Publisher3D0	-3.664e-01
## Publisher505 Games	-2.217e-01
## Publisher5pb	-3.011e-01
## PublisherAcclaim Entertainment	-2.700e-01
## PublisherAcquire	-1.711e-01
## PublisherActivision	-2.012e-01
## PublisherActivision Blizzard	-2.780e-01
## PublisherActivision Value	-2.195e-01
## PublisherAgatsuma Entertainment	-9.699e-02
## PublisherAgetec	-2.173e-01
## PublisherAksys Games	-4.679e-02
## PublisherAlternative Software	-1.175e-01
## PublisherAqua Plus	-2.090e-03
## PublisherArc System Works	8.247e-02
## PublisherASCII Entertainment	-3.105e-01
## PublisherAspyr	-2.698e-01
## PublisherAstragon	2.979e-02
## PublisherAtari	-1.800e-01
## PublisherAtlas	-1.981e-01
## PublisherAvalon Interactive	-1.417e-01
## PublisherAvanquest	7.609e-03
## PublisherBAM! Entertainment	-1.679e-01
## PublisherBanpresto	-1.453e-01
## PublisherBethesda Softworks	-1.860e-02
## PublisherBigben Interactive	-2.231e-01
## PublisherBlack Bean Games	-3.045e-01
## PublisherBlack Label Games	-1.912e-01
## PublisherBohemia Interactive	-1.171e-01
## PublisherBrash Entertainment	-1.329e-01
## PublisherCapcom	-2.354e-01
## PublisherCCP	-1.612e-01

## PublisherCity Interactive	-1.958e-01
## PublisherCloud Imperium Games Corporation	-4.178e-01
## PublisherCodemasters	-2.467e-01
## PublisherCompile Heart	-2.718e-01
## PublisherCrave Entertainment	-3.234e-01
## PublisherCrimson Cow	-7.335e-02
## PublisherCrytek	-7.572e-02
## PublisherD3Publisher	-2.372e-01
## PublisherDaedalic	-2.371e-01
## PublisherDeep Silver	-1.536e-01
## PublisherDestination Software, Inc	-3.841e-01
## PublisherDestineer	-5.653e-01
## PublisherDevolver Digital	1.543e-02
## PublisherDisney Interactive Studios	-1.931e-01
## PublisherDreamCatcher Interactive	-2.574e-01
## PublisherDTP Entertainment	-1.180e-01
## PublisherDusenberry Martin Racing	1.366e-01
## PublisherEA Games	-7.807e-02
## PublisherEidos Interactive	-2.608e-01
## PublisherElectronic Arts	-2.291e-01
## PublisherEmpire Interactive	-2.372e-01
## PublisherEncore	-1.851e-01
## PublisherEnix Corporation	-4.836e-01
## PublisherEnterbrain	-1.571e-01
## PublisherEvolved Games	-3.181e-01
## PublisherFalcom Corporation	-7.721e-02
## PublisherFlashpoint Games	-1.284e-01
## PublisherFocus Home Interactive	-2.836e-01
## PublisherFrom Software	-3.040e-01
## PublisherFunbox Media	-3.831e-02
## PublisherFuncom	-3.385e-02
## PublisherFuRyu	-2.737e-01
## PublisherGame Factory	1.696e-01
## PublisherGamebridge	-2.792e-01
## PublisherGamecock	-1.297e-01
## PublisherGathering of Developers	-2.273e-01
## PublisherGearbox Software	-1.675e-01
## PublisherGenki	-1.778e-01
## PublisherGhostlight	-2.528e-01
## PublisherGlobal Star	-2.711e-01
## PublisherGotham Games	2.721e-01
## PublisherGroove Games	-1.155e-01
## PublisherGT Interactive	1.144e-01
## PublisherGungHo	-4.751e-02
## PublisherHarmonix Music Systems	-1.913e-01
## PublisherHasbro Interactive	-1.319e-01
## PublisherHello Games	1.365e-02
## PublisherHip Interactive	-1.782e-01
## PublisherHome Entertainment Suppliers	-4.634e-01
## PublisherHudson Entertainment	-1.776e-01
## PublisherHudson Soft	-3.440e-01
## PublisherHuman Entertainment	-1.049e-01
## PublisherIceberg Interactive	6.171e-02
## PublisherIdea Factory	-2.913e-01

## PublisherIdea Factory International	-4.805e-02
## PublisherIgnition Entertainment	-3.405e-01
## PublisherIndie Games	-2.696e-01
## PublisherInfogrames	-2.143e-01
## PublisherInsomniac Games	-1.922e-01
## PublisherInterplay	-2.587e-01
## PublisherIntroversion Software	-6.058e-02
## PublisherJaleco	-3.459e-01
## PublisherJester Interactive	-1.627e-01
## PublisherJoWood Productions	-2.344e-01
## PublisherKadokawa Shoten	-3.826e-01
## PublisherKalypso Media	-6.142e-02
## PublisherKemco	-1.753e-01
## PublisherKoch Media	-1.161e-01
## PublisherKonami Digital Entertainment	-2.697e-01
## PublisherLighthouse Interactive	-3.121e-01
## PublisherLittle Orbit	-4.880e-01
## PublisherLucasArts	-1.294e-01
## PublisherMajesco Entertainment	-1.974e-01
## PublisherMamba Games	4.277e-02
## PublisherMarvelous Entertainment	-1.893e-01
## PublisherMarvelous Interactive	-2.941e-01
## PublisherMastertronic	1.521e-02
## PublisherMastiff	-1.888e-02
## PublisherMC2 Entertainment	-1.386e-01
## PublisherMercury Games	-1.520e-01
## PublisherMetro 3D	-2.867e-01
## PublisherMicroids	-1.390e-01
## PublisherMicrosoft Game Studios	-1.298e-01
## PublisherMidas Interactive Entertainment	-2.735e-01
## PublisherMidway Games	-3.011e-01
## PublisherMilestone S.r.l	-1.890e-01
## PublisherMilestone S.r.l.	-1.911e-01
## PublisherMindscape	-1.013e-01
## PublisherMonte Christo Multimedia	-4.245e-01
## PublisherMoss	-1.483e-01
## PublisherMTV Games	-2.028e-01
## PublisherMud Duck Productions	7.493e-03
## PublisherN/A	2.170e-01
## PublisherNamco Bandai Games	-2.553e-01
## PublisherNatsume	-1.389e-01
## PublisherNavarre Corp	-1.007e-01
## PublisherNCSoft	-3.461e-02
## PublisherNDA Productions	-1.308e-01
## PublisherNewKidCo	-2.067e-01
## PublisherNintendo	-1.297e-01
## PublisherNippon Ichi Software	-1.922e-01
## PublisherNobilis	-1.225e-01
## PublisherNordic Games	-3.691e-01
## PublisherNovaLogic	-2.015e-01
## PublisherNumber None	-2.023e-01
## PublisherO-Games	6.410e-02
## PublisherO3 Entertainment	-1.484e-01
## PublisherParadox Interactive	-4.031e-01

## PublisherPhantagram	-3.653e-01
## PublisherPlay It	-2.274e-01
## PublisherPlaylogic Game Factory	-2.613e-01
## PublisherPopCap Games	-1.584e-01
## PublisherPopcorn Arcade	-2.936e-01
## PublisherPQube	-1.154e-01
## PublisherPsygnosis	-4.807e-01
## PublisherRage Software	-8.590e-02
## PublisherRebellion	-1.769e-01
## PublisherRebellion Developments	-1.721e-01
## PublisherRedOctane	1.563e-01
## PublisherReef Entertainment	-1.053e-04
## PublisherRising Star Games	-2.302e-01
## PublisherRussel	-3.868e-02
## PublisherSammy Corporation	-2.613e-01
## PublisherScholastic Inc.	-1.347e-02
## PublisherSCi	-1.671e-01
## PublisherScreenlife	-1.575e-01
## PublisherSega	-3.041e-01
## PublisherSlightly Mad Studios	-2.359e-01
## PublisherSNK	-4.226e-01
## PublisherSold Out	-5.247e-02
## PublisherSony Computer Entertainment	-2.211e-01
## PublisherSony Computer Entertainment America	-2.381e-01
## PublisherSony Computer Entertainment Europe	-2.044e-01
## PublisherSony Online Entertainment	-3.159e-01
## PublisherSouthPeak Games	-6.680e-02
## PublisherSpike	-7.498e-02
## PublisherSquare Enix	-2.484e-01
## PublisherSquare Enix	-2.561e-01
## PublisherSquareSoft	-6.668e-01
## PublisherSting	-2.413e-01
## PublisherSuccess	-9.919e-02
## PublisherSwing! Entertainment	-1.313e-01
## PublisherSystem 3 Arcade Software	-2.917e-01
## PublisherTaito	-4.098e-01
## PublisherTakara Tomy	-5.825e-04
## PublisherTake-Two Interactive	-1.635e-01
## PublisherTDK Mediactive	-3.695e-01
## PublisherTecmo Koei	-2.083e-01
## PublisherTelltale Games	-2.847e-01
## PublisherTHQ	-2.152e-01
## PublisherTitus	-2.726e-01
## PublisherTouchstone	-4.122e-01
## PublisherTripwire Interactive	-5.530e-02
## PublisherTru Blu Entertainment	-1.190e-01
## PublisherUbisoft	-2.342e-01
## PublisherUbisoft Annecy	-2.649e-01
## PublisherUniversal Interactive	-1.861e-01
## PublisherUnknown	-6.915e-02
## PublisherValve Software	-2.313e-01
## PublisherVirgin Interactive	-3.407e-01
## PublisherVivendi Games	-1.934e-01
## PublisherWanadoo	-2.309e-01

## PublisherWargaming.net	-6.906e-01
## PublisherWarner Bros. Interactive Entertainment	-1.718e-01
## PublisherWhite Park Bay Software	5.294e-02
## PublisherXplosiv	-2.432e-01
## PublisherXS Games	-1.940e-01
## PublisherXseed Games	-1.074e-01
## PublisherYacht Club Games	-1.634e-01
## PublisherZoo Digital Publishing	-2.066e-01
## PublisherZoo Games	-1.005e-01
## PublisherZushi Games	-5.730e-02
## Developer1C, 1C Company	4.102e-02
## Developer1C, Ino-Co, 1C Company	4.665e-01
## Developer1C: Maddox Games	-4.793e-02
## Developer1C:Ino-Co	5.908e-01
## Developer2015	1.306e-01
## Developer2D Boy	NA
## Developer2K Australia	1.553e-01
## Developer2K Czech	3.042e-02
## Developer2K Games	-5.355e-02
## Developer2K Marin	5.592e-02
## Developer2K Sports	8.993e-02
## Developer2XL Games	1.736e-01
## Developer343 Industries	1.026e+00
## Developer3d6 Games	1.462e-01
## Developer3D0	2.014e-01
## Developer49Games	-3.714e-02
## Developer4A Games	-3.591e-02
## Developer4J Studios	6.993e-03
## Developer5pb	1.646e-01
## Developer5TH Cell	3.311e-01
## Developer7 Studios	1.602e-01
## Developer8ing/Raizing	2.047e-01
## Developer989 Sports	2.165e-01
## DeveloperAccess Games	2.209e-01
## DeveloperAcclaim	1.718e-01
## DeveloperAcclaim Studios Austin	1.659e-01
## DeveloperAcclaim Studios Cheltenham	2.090e-01
## DeveloperAcquire	9.926e-02
## DeveloperActivision	1.985e-01
## DeveloperAdrenium	1.471e-01
## DeveloperAI	3.629e-01
## DeveloperAirtight Games	1.748e-01
## DeveloperAkella	1.283e-01
## DeveloperAki Corp.	1.999e-01
## DeveloperAlfa System	8.395e-02
## DeveloperAlphadream Corporation	1.544e-01
## DeveloperAmanita Design	-7.441e-02
## DeveloperAmaze	1.063e-01
## DeveloperAmaze Entertainment	2.259e-01
## DeveloperAmbrella	6.351e-02
## DeveloperAmbrella, The Pokemon Company	-6.535e-02
## DeveloperAmusement Vision	1.146e-01
## DeveloperAmuze	1.646e-01
## DeveloperAnchor	2.633e-01

## DeveloperAngel Studios	2.727e-01
## DeveloperAnimation Arts	-1.064e-01
## DeveloperAppaloosa Interactive	1.271e-01
## DeveloperAQ Interactive	9.254e-02
## DeveloperArc System Works	-4.602e-03
## DeveloperArenaNet	NA
## DeveloperArgonaut Games	1.231e-01
## DeveloperArika	1.259e-01
## DeveloperArkane Studios	-5.344e-02
## DeveloperArkedo Studio	9.017e-02
## DeveloperArmature Studio	1.480e-01
## DeveloperArt	1.435e-01
## DeveloperArtefacts Studio	3.202e-01
## DeveloperArtePiazza	8.903e-02
## DeveloperArtificial Mind and Movement	1.481e-01
## DeveloperArtificial Mind and Movement, EA Redwood Shores	2.262e-01
## DeveloperArtificial Studios, Immersion Software & Graphics	-4.997e-02
## DeveloperArtoon	1.779e-01
## DeveloperArzest	1.101e-01
## DeveloperAscaron Entertainment GmbH, Ascaron Entertainment	1.992e-02
## DeveloperAsobo Studio	7.640e-02
## DeveloperAspect	3.167e-01
## DeveloperAspyr	2.930e-01
## DeveloperAtari	1.394e-01
## DeveloperAtari, Slightly Mad Studios, Atari SA	8.930e-02
## DeveloperAtlas	1.000e-01
## DeveloperAtlas Co.	6.948e-02
## DeveloperAtomic Games	6.588e-01
## DeveloperAtomic Motion	1.579e-01
## DeveloperAtomic Planet Entertainment	1.501e-01
## DeveloperAttention To Detail	9.372e-02
## DeveloperAutumn Moon	NA
## DeveloperAvalanche Software	1.221e-01
## DeveloperAvalanche Studios	1.758e-02
## DeveloperAvalon Style	-3.447e-05
## DeveloperAWE Games	2.091e-01
## DeveloperAwesome Play Ltd.	-2.986e-01
## DeveloperAwesome Studios	1.502e-01
## DeveloperBabylon Software	6.543e-02
## DeveloperBackbone Entertainment	2.265e-01
## DeveloperBam Entertainment	5.913e-02
## DeveloperBandai	1.590e-01
## DeveloperBandai Namco Games	1.890e-01
## DeveloperBandai Namco Games, Artdink	2.736e-01
## DeveloperBanpresto, SoftMax	-5.009e-02
## DeveloperBarnhouse Effect	1.776e-01
## DeveloperBattlefront.com, 1C, 1C Company	8.522e-02
## DeveloperBec	1.601e-01
## DeveloperBeenox	1.240e-01
## DeveloperBehaviour Interactive	1.345e-01
## DeveloperBeluga Computer	3.885e-02
## DeveloperBest Way	1.528e-01
## DeveloperBethesda Game Studios	-4.698e-03
## DeveloperBethesda Softworks	-2.518e-01

## DeveloperBeyond Games	1.707e-01
## DeveloperBig Ant Studios	NA
## DeveloperBig Blue Box	6.604e-01
## DeveloperBig Blue Bubble Inc.	2.333e-01
## DeveloperBig Huge Games	1.006e-01
## DeveloperBig Red Software	2.852e-01
## DeveloperBig Sky Software	7.088e-02
## DeveloperBigbig Studios	-9.796e-02
## DeveloperBionic Games	1.166e-01
## DeveloperBioWare	1.628e-01
## DeveloperBioWare, Demiurge Studios	-3.784e-01
## DeveloperBits Studios	5.449e-02
## DeveloperBizarre Creations	7.359e-02
## DeveloperBlack Box	9.682e-02
## DeveloperBlack Hole Games	1.169e-01
## DeveloperBlack Isle Studios	1.339e-01
## DeveloperBlack Lantern Studios	1.676e-02
## DeveloperBlack Ops Entertainment	5.229e-02
## DeveloperBlack Rock Studio	1.110e-01
## DeveloperBlack Sea Studios	4.685e-01
## DeveloperBlack Ship Games	-3.969e-02
## DeveloperBlade Interactive	2.003e-01
## DeveloperBlitz Games	1.599e-01
## DeveloperBlitz Games Studios	2.119e-01
## DeveloperBlizzard Entertainment	1.777e-01
## DeveloperBlizzard North	9.829e-01
## DeveloperBlue Byte	3.536e-01
## DeveloperBlue Byte, Related Designs	-2.296e-01
## DeveloperBlue Castle Games	1.794e-01
## DeveloperBlue Omega	1.424e-01
## DeveloperBlue Shift	1.428e-01
## DeveloperBlue Tongue	1.184e-01
## DeveloperBlue Tongue Entertainment	1.282e-01
## DeveloperBluepoint Games	2.585e-01
## DeveloperBlueshift	1.534e-01
## DeveloperBohemia Interactive	-7.173e-02
## DeveloperBongfish	4.553e-02
## DeveloperBoston Animation	1.338e-01
## DeveloperBottleRocket Entertainment	1.304e-01
## DeveloperBrain Toys	1.151e-01
## DeveloperBrainbox Games	NA
## DeveloperBrash Entertainment	1.724e-01
## DeveloperBudCat	-1.146e-02
## DeveloperBugbear	7.923e-02
## DeveloperBullets	1.029e-01
## DeveloperBungie	6.021e-01
## DeveloperBungie Software	2.102e-01
## DeveloperBungie Software, Bungie	6.123e-01
## DeveloperBuzz Monkey	-7.841e-02
## DeveloperBuzz Monkey, EA Montreal	7.634e-02
## DeveloperCamelot Software Planning	2.038e-01
## DeveloperCamoouflaj, LLC	1.438e-01
## DeveloperCapcom	1.563e-01
## DeveloperCapcom Vancouver	1.963e-01

## DeveloperCapcom, Pipeworks Software, Inc.	3.021e-01
## DeveloperCAProduction	5.984e-02
## DeveloperCareer Soft	1.586e-01
## DeveloperCat Daddy Games	3.306e-01
## DeveloperCattle Call	1.108e-01
## DeveloperCauldron Ltd.	8.476e-02
## DeveloperCavia Inc.	1.808e-01
## DeveloperCCP	NA
## DeveloperCD Projekt Red Studio	2.498e-01
## DeveloperChunSoft	5.682e-01
## DeveloperCing	7.352e-02
## DeveloperCity Interactive	NA
## DeveloperCity Interactive, Deck 13	1.665e-01
## DeveloperClap Hanz	1.400e-01
## DeveloperClimax Entertainment	4.442e-01
## DeveloperClimax Group	1.926e-01
## DeveloperClimax Group, Climax Studios	5.193e-02
## DeveloperClimax Studios	1.692e-01
## DeveloperClover Studio	1.289e-01
## DeveloperCodemasters	-3.609e-02
## DeveloperCodemasters Birmingham	-2.269e-01
## DeveloperCollision Studios	-2.928e-02
## DeveloperColossal Order	2.488e-01
## DeveloperCompile Heart	1.150e-01
## DeveloperCompulsion Games	2.565e-01
## DeveloperComputer Artworks	6.292e-02
## DeveloperContraband Entertainment	7.774e-02
## DeveloperCooking Mama Limited	3.225e-01
## DeveloperCore Design Ltd.	2.710e-01
## DeveloperCoresoft	4.867e-01
## DeveloperCoyote Developments	3.510e-02
## DeveloperCranky Pants Games	1.021e-01
## DeveloperCrave	2.341e-01
## DeveloperCrawfish Interactive	1.254e-01
## DeveloperCreat Studios	2.277e-01
## DeveloperCreative Assembly	1.347e-01
## DeveloperCreatures Inc.	2.557e-01
## DeveloperCrispy's	6.143e-02
## DeveloperCriterion Games	1.993e-01
## DeveloperCroteam	-3.325e-02
## DeveloperCryptic Studios	1.439e-01
## DeveloperCrystal Dynamics	6.878e-02
## DeveloperCrystal Dynamics, Nixxes Software	3.727e-02
## DeveloperCrytek	1.533e-01
## DeveloperCunning Developments	8.660e-02
## DeveloperCyan Worlds	8.430e-02
## DeveloperCyanide	2.710e-01
## DeveloperCyanide, Cyanide Studios	2.569e-01
## DeveloperCyberConnect2	1.590e-01
## DeveloperCyberConnect2, Racjin	1.805e-01
## DeveloperCyberlore Studios	1.627e-01
## DeveloperDaedalic Entertainment	NA
## DeveloperDarkworks	1.345e-01
## DeveloperData Design Interactive	1.185e-01

## DeveloperDavid A. Palmer Productions	2.678e-01
## DeveloperDay 1 Studios	4.868e-02
## DeveloperDC Studios	1.132e-01
## DeveloperDeadline Games	5.950e-02
## DeveloperDeck 13	1.295e-01
## DeveloperDeep Red	1.827e-01
## DeveloperDeep Silver	1.569e-01
## DeveloperDeep Silver Dambuster Studios	2.722e-01
## DeveloperDeep Silver, Sproing Interactive Media, Sproing	-5.599e-02
## DeveloperDeibus Studios	1.127e-01
## DeveloperDelphine Software International	2.009e-01
## DeveloperDestination Software	NA
## DeveloperDestineer	6.689e-02
## DeveloperDigital Eclipse	2.546e-01
## DeveloperDigital Embryo	2.410e-01
## DeveloperDigital Extremes	1.106e-01
## DeveloperDigital Extremes, 2K Marin	5.321e-02
## DeveloperDigital Illusions	1.863e-01
## DeveloperDimps Corporation	2.783e-01
## DeveloperDimps Corporation, Namco Bandai Games	-5.612e-02
## DeveloperDimps Corporation, Sonic Team	1.523e-01
## DeveloperDisney Interactive	2.151e-02
## DeveloperDisney Interactive Studios	1.092e-01
## DeveloperDMA Design	6.728e-01
## DeveloperDONTNOD Entertainment	1.343e-01
## DeveloperDouble Fine Productions	2.114e-01
## DeveloperDouble Helix Games	1.811e-01
## DeveloperDreamcatcher	1.814e-01
## DeveloperDreamFactory	9.811e-02
## DeveloperDreamworks Games	2.693e-01
## DeveloperDreamworks Interactive	2.112e-01
## DeveloperDTP Entertainment	8.871e-02
## DeveloperDusenberry Martin Racing	NA
## DeveloperEA Black Box	1.964e-01
## DeveloperEA Bright Light	1.420e-01
## DeveloperEA Canada	1.750e-01
## DeveloperEA Canada, EA Vancouver	3.209e-01
## DeveloperEA Chicago	1.318e-01
## DeveloperEA DICE	1.430e-01
## DeveloperEA Games	1.557e-01
## DeveloperEA Japan Studio	-9.129e-02
## DeveloperEA LA	2.287e-01
## DeveloperEA Montreal	2.602e-01
## DeveloperEA Phenomic	2.442e-01
## DeveloperEA Redwood Shores	2.637e-02
## DeveloperEA Redwood Shores, EA Salt Lake	4.799e-01
## DeveloperEA Salt Lake	4.542e-01
## DeveloperEA Seattle	5.103e-01
## DeveloperEA Sports	1.947e-01
## DeveloperEA Sports Big	1.538e-01
## DeveloperEA Sports, EA Vancouver	-5.691e-02
## DeveloperEA Tiburon	4.845e-01
## DeveloperEagle Dynamics	-1.515e-02
## DeveloperEden Studios	2.110e-02

## DeveloperEdge Entertainment, Anima Project	NA
## DeveloperEdge of Reality	2.405e-01
## DeveloperEdmund McMillen, Florian Himsler	-3.115e-02
## DeveloperEgosoft	7.822e-02
## DeveloperEidos Interactive	2.648e-01
## DeveloperEidos Montreal	1.516e-01
## DeveloperEidos Montreal, Nixxes Software	1.950e-01
## DeveloperEighting	8.963e-02
## DeveloperEighting, Takara Tomy	1.059e-01
## DeveloperEighting/Raizing	1.635e-01
## DeveloperEK0 Software	1.159e-01
## DeveloperElectronic Arts	1.588e-01
## DeveloperElectronic Arts, EA Redwood Shores	1.297e-01
## DeveloperElectronic Arts, Rebellion	8.823e-02
## DeveloperElixir Studios	1.593e-01
## DeveloperEmpty Clip Studios	-1.707e-02
## DeveloperEngine Software	-1.847e-02
## DeveloperEnjoyUp Games	4.837e-01
## DeveloperEnlight Software	2.645e-01
## DeveloperEnsemble Studios	1.667e-01
## DeveloperEnterbrain	-2.821e-02
## DeveloperEpic Games	2.022e-01
## DeveloperEpic Games, People Can Fly	1.728e-01
## DeveloperEquinoxe	3.273e-01
## DeveloperEtranges Libellules	1.318e-01
## DeveloperEugen Systems	1.430e-01
## DeveloperEurocom Entertainment Software	1.424e-01
## DeveloperEutechnyx	1.778e-01
## DeveloperEutechnyx, Deep Silver	-4.146e-02
## DeveloperEvolution Studios	1.245e-01
## DeveloperExakt	2.032e-01
## DeveloperExamu	-6.821e-02
## DeveloperExamu, Marvelous Inc.	3.383e-01
## DeveloperExient Entertainment	1.691e-01
## DeveloperExperience Inc.	2.324e-01
## DeveloperFactor 5	1.258e-01
## DeveloperFalcom	8.089e-02
## DeveloperFarsight Studios	2.852e-01
## DeveloperFASA Studio	2.163e-01
## DeveloperFatshark AB	2.443e-02
## DeveloperFeelPlus	4.911e-02
## DeveloperFiraxis Games	2.252e-01
## DeveloperFirebrand Games	1.201e-01
## DeveloperFireFly Studios	5.353e-02
## DeveloperFlagship	1.952e-01
## DeveloperFlagship Studios	1.530e-01
## DeveloperFlight-Plan	NA
## DeveloperFluid Studios	NA
## DeveloperFlying Lab Software	3.653e-02
## DeveloperFlying Tiger Development	4.399e-02
## DeveloperFox Interactive	5.244e-01
## DeveloperFree Radical Design	1.166e-01
## DeveloperFreeStyleGames	1.036e-01
## DeveloperFrom Software	1.453e-01

## DeveloperFrontier Developments	3.360e-01
## DeveloperFrozenbyte, Inc.	3.203e-02
## DeveloperFull-Fat	1.626e-01
## DeveloperFull Fat	2.543e-01
## DeveloperFUN Labs	1.241e-01
## DeveloperFunatics Software, Funatics	2.277e-01
## DeveloperFuncom	NA
## DeveloperFuRyu	1.514e-01
## DeveloperFuse Games Limited	1.941e-01
## DeveloperFusionsphere Systems, Animation Arts	1.069e-01
## DeveloperG-Artists	3.982e-01
## DeveloperG.Rev	8.621e-02
## DeveloperGaijin Entertainment	1.140e-01
## DeveloperGaijin Games	-3.843e-02
## DeveloperGame Arts	1.550e-01
## DeveloperGame Freak	4.908e-01
## DeveloperGame Republic	8.547e-02
## DeveloperGame Republic, JapanStudio	2.245e-01
## DeveloperGame Titan	1.678e-01
## DeveloperGameinvest, Seed Studios, Lda	1.312e-01
## DeveloperGameloft	1.558e-01
## DeveloperGameness Art Software	5.293e-02
## DeveloperGaming Minds Studios	1.403e-01
## DeveloperGanbarion	9.929e-02
## DeveloperGas Powered Games	9.878e-02
## DeveloperGCP1	1.654e-01
## DeveloperGearbox Software	2.028e-01
## DeveloperGearbox Software, 3D Realms	1.300e-01
## DeveloperGenePool	1.261e-01
## DeveloperGenius Sonority Inc.	3.687e-01
## DeveloperGenki	1.309e-01
## DeveloperGenuine Games	2.368e-01
## DeveloperGhost Games	2.021e-01
## DeveloperGiants Software	-3.125e-01
## DeveloperGood-Feel	2.197e-01
## DeveloperGood Science Studio	1.758e+00
## DeveloperGorilla Systems	3.647e-01
## DeveloperGrasshopper Manufacture	8.076e-02
## DeveloperGratuitous Games	1.502e-01
## DeveloperGRIN	-6.227e-02
## DeveloperGriptonite Games	1.959e-01
## DeveloperGSC Game World	-4.281e-03
## DeveloperGuerilla Cambridge	5.676e-02
## DeveloperGuerrilla	1.773e-01
## DeveloperGuildford Studio	1.577e-01
## DeveloperGungHo	3.086e-02
## DeveloperGust	1.566e-01
## DeveloperGusto Games	NA
## Developerh.a.n.d. Inc.	1.203e-01
## DeveloperHaemimont	-4.385e-02
## DeveloperHAL Labs	2.725e-01
## DeveloperHAL Labs, Creatures Inc.	2.088e-01
## DeveloperHalfbrick Studios	9.116e-02
## DeveloperHarmonix Music Systems	2.689e-01

## DeveloperHarmonix	Music Systems, Backbone Entertainment	6.640e-02
## DeveloperHarmonix	Music Systems, Demiurge Studios	4.396e-02
## DeveloperHB	Studios Multimedia	1.016e-02
## DeveloperHeadfirst	Productions	3.041e-02
## DeveloperHeadstrong	Games	-5.167e-02
## DeveloperHeavy	Iron Studios	1.751e-01
## DeveloperHelixe		5.914e-01
## DeveloperHellbent	Games	4.172e-01
## DeveloperHello	Games	NA
## DeveloperHexaDrive		1.475e-01
## DeveloperHigh	Impact Games	4.846e-02
## DeveloperHigh Moon	Studios	1.539e-01
## DeveloperHigh Moon	Studios, Mercenary Technologies	2.669e-01
## DeveloperHigh Voltage	Software	1.708e-01
## DeveloperHigh Voltage	Software, Backbone Entertainment	2.751e-01
## DeveloperHitmaker		2.576e-01
## DeveloperHotGen		9.263e-02
## DeveloperHothouse	Creations	1.407e-01
## DeveloperHousemarque		6.303e-02
## DeveloperHudson		2.322e-01
## DeveloperHudson	Entertainment	2.029e-01
## DeveloperHudson	Soft	2.352e-01
## DeveloperHuman Head	Studios	1.846e-01
## DeveloperHuman Soft		8.095e-02
## DeveloperHumongous	Entertainment	1.494e-01
## DeveloperHydravision		-1.542e-02
## DeveloperHypnos		2.170e-01
## DeveloperHypnos	Entertainment	3.125e-01
## DeveloperHypnotix		2.928e-01
## DeveloperIce-Pick Lodge		-2.465e-01
## Developerid Software		9.618e-02
## Developerid Software	, Nerve Software	3.087e-01
## Developerid Software	, Raven Software	2.749e-02
## DeveloperIdea Factory		2.603e-01
## DeveloperIdea Factory	, Compile Heart	2.526e-01
## DeveloperIdol Minds		1.279e-01
## DeveloperIgnition	Entertainment	1.720e-01
## DeveloperImage Epoch	, Imageepoch	1.480e-01
## DeveloperImmersion	Software & Graphics	1.888e-01
## DeveloperIncinerator	Games	4.116e-01
## DeveloperIncognito	Inc.	1.150e-01
## DeveloperIndi		6.619e-02
## DeveloperIndie Built		3.596e-01
## DeveloperIndies Zero		1.277e-01
## DeveloperInevitable	Entertainment	1.261e-01
## DeveloperInferno	Games	1.561e-01
## DeveloperInfinite Dreams	, Paragon 5	1.126e-01
## DeveloperInfinite Interactive		2.937e-01
## DeveloperInfinity Ward		4.537e-01
## DeveloperInfinity Ward	, Sledgehammer Games	-4.241e-02
## DeveloperInfogrammes		-5.496e-02
## DeveloperiNiS		-3.877e-01
## DeveloperInsomniac	Games	3.668e-01
## DeveloperIntelligent	Systems	2.072e-01

## DeveloperInteractive Brains	2.231e-01
## DeveloperInterchannel	3.329e-01
## DeveloperInterplay	NA
## DeveloperInti	9.958e-02
## DeveloperInti Creates	1.232e-01
## DeveloperInti, Inti Creates	1.472e-01
## DeveloperIntroversion, Double Eleven	NA
## DeveloperInXile Entertainment	9.499e-02
## DeveloperIo Interactive	9.579e-02
## DeveloperIon Storm	1.432e-01
## DeveloperIR Gurus	1.194e-01
## DeveloperIrem	1.678e-01
## DeveloperIridon Interactive AB	NA
## DeveloperIron Galaxy Studios	2.390e-01
## DeveloperIron Lore Entertainment	7.982e-02
## DeveloperIsopod Labs	2.596e-01
## DeveloperITL	1.441e-01
## DeveloperIvory Tower	-3.819e-03
## DeveloperJaleco Entertainment	1.099e-01
## DeveloperJellyvision, Iron Galaxy Studios	2.430e-01
## DeveloperJester Interactive	4.159e-02
## DeveloperJGI Entertainment	2.105e-01
## DeveloperJoWooD Entertainment AG	2.114e-01
## DeveloperJuice Games	1.151e-01
## DeveloperJunction Point	1.994e-01
## DeveloperJupiter Corporation	3.201e-01
## DeveloperK2	2.686e-01
## DeveloperK2 LLC	5.230e-02
## DeveloperK2, Kurogane	9.685e-02
## DeveloperKadokawa	2.612e-01
## DeveloperKalypso	1.898e-01
## DeveloperKaos Studios	1.545e-01
## DeveloperKCE Studios	1.793e-01
## DeveloperKCEJ	3.471e-01
## DeveloperKCEO	1.311e-01
## DeveloperKCET	-4.186e-02
## DeveloperKeen Games	6.815e-02
## DeveloperKemco	3.954e-02
## DeveloperKing of the Jungle	NA
## DeveloperKnowWonder	8.260e-02
## DeveloperKoei	9.865e-02
## DeveloperKoei Tecmo Games	6.387e-02
## DeveloperKoei, Omega Force	2.008e-01
## DeveloperKoei/Inis	8.422e-02
## DeveloperKojima Productions	1.486e-01
## DeveloperKonami	7.138e-02
## DeveloperKonami Computer Entertainment Hawaii	1.886e-01
## DeveloperKrome Studios	1.432e-01
## DeveloperKrome Studios, Screenlife Games	-6.890e-02
## DeveloperKronos Digital Entertainment	1.123e-02
## DeveloperKuju Entertainment	4.854e-02
## DeveloperKung Fu Factory	1.764e-01
## DeveloperKunos Simulazioni	3.038e-02
## DeveloperKush Games	1.727e-01

## DeveloperKush Games, Visual Concepts	3.587e-01
## DeveloperKuusou Kagaku	NA
## DeveloperKylotonn	NA
## DeveloperLarian Studios	1.779e-01
## DeveloperLDW, Big Fish Games	3.046e-01
## DeveloperLeft Field Productions	5.646e-02
## DeveloperLegacy Interactive	NA
## DeveloperLevel 5	-5.266e-02
## DeveloperLevel 5, Brownie Brown	7.010e-02
## DeveloperLight Weight	1.404e-02
## DeveloperLionhead Studios	9.004e-02
## DeveloperLiquid Dragon Studios	NA
## DeveloperLiquid Entertainment	1.723e-01
## DeveloperLocomotive Games	1.591e-01
## DeveloperLongtail Studios	-1.117e-01
## DeveloperLucas Learning	1.854e-03
## DeveloperLucasArts	2.254e-01
## DeveloperLucasArts, Krome Studios	7.975e-02
## DeveloperLucky Chicken	1.943e-01
## DeveloperLuxoflux, Inc.	3.071e-01
## DeveloperM2	2.332e-01
## DeveloperMachatin, Inc.	4.060e-01
## DeveloperMachineGames	-6.477e-02
## DeveloperMad Doc Software, Rockstar Vancouver	8.945e-02
## DeveloperMagellan Interactive	NA
## DeveloperMagenta Software	5.094e-02
## DeveloperMagic Pockets	1.832e-01
## DeveloperMajesco Games, Majesco	2.566e-02
## DeveloperMarvelous	2.179e-01
## DeveloperMarvelous AQL	-9.093e-02
## DeveloperMarvelous Entertainment	1.518e-01
## DeveloperMarvelous Inc.	1.921e-01
## DeveloperMASA Group	1.916e-01
## DeveloperMass Media	3.251e-01
## DeveloperMatrix Software	2.164e-01
## DeveloperMaximum Games	1.368e-01
## DeveloperMaxis	4.086e-01
## DeveloperMedia Molecule	3.040e-01
## DeveloperMedia Molecule, United Front Games	1.730e-01
## DeveloperMedia Vision	9.312e-02
## DeveloperMediascape, CUBETYPE	3.528e-01
## DeveloperMekensleep	1.730e-01
## DeveloperMelbourne House	-2.432e-01
## DeveloperMercury Steam	2.661e-02
## DeveloperMetanet Software Inc., SilverBirch Studios	1.013e-01
## DeveloperMetro	1.505e-01
## DeveloperMetro Graphics	7.999e-02
## DeveloperMetro3D	1.423e-01
## DeveloperMicro Cabin	1.069e-01
## DeveloperMicroids	NA
## DeveloperMicrosoft Game Studios	3.198e-02
## DeveloperMicrovision	2.547e-01
## DeveloperMidway	2.726e-01
## DeveloperMidway Studios - Austin	2.065e-01

## DeveloperMidway Studios - Los Angeles	3.838e-01
## DeveloperMidway Studios - San Diego	6.312e-02
## DeveloperMilestone S.r.l	1.379e-01
## DeveloperMilestone, Milestone S.r.l	2.546e-01
## DeveloperMindware Studios	7.318e-02
## DeveloperMistic Software	1.030e-02
## DeveloperMistwalker, Artoon	-1.665e-01
## DeveloperMitchell	1.358e-01
## DeveloperMix Max	6.056e-02
## DeveloperMobius Entertainment	-7.082e-02
## DeveloperMonkey Bar Games	1.639e-01
## DeveloperMonolith Productions	1.033e-01
## DeveloperMonolith Soft	1.582e-01
## DeveloperMonolith Soft, Banpresto	2.565e-01
## DeveloperMonolith Soft, Namco Bandai Games	-8.482e-02
## DeveloperMonster Games Inc.	1.121e-01
## DeveloperMonte Cristo Multimedia	3.188e-01
## DeveloperMonumental Games	3.126e-03
## DeveloperMoss	NA
## DeveloperMTO	3.542e-01
## DeveloperMucky Foot Productions	1.350e-01
## Developern-Space	1.790e-01
## DeveloperNadeo	5.690e-02
## DeveloperNamco	2.047e-01
## DeveloperNamco Bandai Games	1.421e-01
## DeveloperNamco Bandai Games America	5.184e-02
## DeveloperNamco Bandai Games America, Namco Bandai Games	1.487e-01
## DeveloperNamco Bandai Games, Cellius	2.007e-01
## DeveloperNamco Bandai Games, Monkey Bar Games	1.531e-01
## DeveloperNanaOn-Sha	7.358e-02
## DeveloperNaps Team	NA
## DeveloperNatsume	1.688e-01
## DeveloperNaughty Dog	2.568e-01
## DeveloperNaughty Dog, Sony Bend	1.446e-01
## DeveloperNautilus	1.164e-01
## DeveloperNd Cube	9.765e-02
## DeveloperNeko Entertainment	-2.119e-02
## DeveloperNeon Studios, Kaiko	3.064e-01
## DeveloperNerve Software	1.893e-01
## DeveloperNetherock Ltd.	1.533e-01
## DeveloperNetherRealm Studios	1.792e-01
## DeveloperNeverland	3.694e-02
## DeveloperNeversoft Entertainment	2.736e-01
## DeveloperNew	2.264e-03
## DeveloperNex Entertainment	1.112e-01
## DeveloperNext Level Games	2.305e-01
## DeveloperNightlight Studios	1.112e-01
## DeveloperNihilistic	2.318e-01
## DeveloperNikitova Games	1.208e-01
## DeveloperNinja Studio	7.957e-02
## DeveloperNinja Theory	7.905e-02
## DeveloperNintendo	3.732e-01
## DeveloperNintendo EAD Tokyo	3.057e-01
## DeveloperNintendo, Camelot Software Planning	1.415e-01

## DeveloperNintendo, Headstrong Games	1.054e-01
## DeveloperNintendo, Namco Bandai Games	-1.530e-01
## DeveloperNintendo, Nd Cube	1.394e-01
## DeveloperNippon Ichi Software	1.134e-01
## DeveloperNitro Games	5.017e-01
## DeveloperNitro+	-1.256e-01
## DeveloperNixxes Software	9.156e-02
## DeveloperNoise Factory	2.056e-01
## DeveloperNoise Inc.	-1.350e-01
## DeveloperNordic Games Publishing	1.988e-01
## DeveloperNovarama	1.033e-01
## DeveloperNow Production	1.981e-01
## DeveloperNtreev Soft	NA
## DeveloperNuevo Retro Games	5.094e-01
## DeveloperNuFX	1.539e-01
## DeveloperNumber None Inc., Knockout Games	NA
## DeveloperObsidian Entertainment	2.948e-01
## DeveloperOddworld Inhabitants	1.597e-01
## Developerodenis studio	2.443e-01
## DeveloperOffice Create	2.572e-01
## DeveloperOmega Force	1.026e-01
## DeveloperOmega Force, Koei Canada	1.855e-01
## DeveloperOmega Force, Koei Tecmo Games	1.238e-01
## DeveloperOmiya Soft, Jamsworks	9.714e-02
## DeveloperOpus	4.463e-02
## DeveloperOpus Studio	3.579e-01
## DeveloperOpus, Project Sora	1.205e-01
## DeveloperOrbital Media, Inc.	3.251e-02
## DeveloperOsiris Studios	7.971e-02
## DeveloperOutrage Games	1.196e-01
## DeveloperOverkill Software	2.125e-01
## DeveloperOverworks	8.227e-02
## DeveloperPacific Coast Power & Light	1.436e-01
## DeveloperPage 44 Studios	1.334e-01
## DeveloperPam Development	-7.043e-02
## DeveloperPandemic Studios	1.446e-01
## DeveloperPaon Corporation	2.372e-02
## DeveloperPapaya Studios	1.850e-01
## DeveloperParadigm Entertainment	9.051e-02
## DeveloperParadox Development	1.439e-01
## DeveloperParadox Development Studio	4.376e-01
## DeveloperParadox Interactive	NA
## DeveloperPeople Can Fly	9.506e-02
## DeveloperPetroglyph	1.061e-01
## DeveloperPhosphor Games Studio, LLC	1.869e-01
## DeveloperPipe Dream Interactive	1.631e-01
## DeveloperPipeworks Software, Inc.	3.225e-01
## DeveloperPiranha Bytes	-5.042e-02
## DeveloperPiranha Games	3.284e-01
## DeveloperPitbull Syndicate	3.592e-01
## DeveloperPivotal Games	9.073e-02
## DeveloperPlanet Moon Studios	1.025e-01
## DeveloperPlatinum Egg	2.442e-01
## DeveloperPlatinumGames	1.473e-01

## DeveloperPlayground Games	6.340e-04
## DeveloperPLAYGROUND, Playground Games	-2.121e-03
## DeveloperPlaystos Entertainment	2.670e-02
## DeveloperPocket Studios	7.369e-01
## DeveloperPocketeers	2.828e-01
## DeveloperPoint of View	1.382e-01
## DeveloperPolygon Magic	2.269e-01
## DeveloperPolyphony Digital	-2.773e-01
## DeveloperPopCap	1.805e-01
## DeveloperPopTop Software	1.439e-01
## DeveloperProject Aces	2.047e-01
## DeveloperProject Soul	2.104e-01
## DeveloperProkion	1.493e-01
## DeveloperPropaganda Games	3.669e-01
## DeveloperPrope	1.110e-01
## DeveloperPrope, Kadokawa	2.207e-01
## DeveloperPseudo Interactive	1.777e-01
## DeveloperPsognosis	1.723e-01
## DeveloperPsyponix	-5.511e-02
## DeveloperPterodon	8.367e-02
## DeveloperPuzzleKings	1.641e-01
## DeveloperPyramid	3.211e-01
## DeveloperPyro Studios	2.130e-01
## DeveloperQ-Games	3.216e-01
## DeveloperQ Entertainment	1.201e-01
## DeveloperQuantic Dream	3.356e-02
## DeveloperQuest	-1.191e-01
## DeveloperRacjin	2.594e-01
## DeveloperRadical Entertainment	1.868e-01
## DeveloperRage Software	NA
## DeveloperRainbow Studios	4.451e-01
## DeveloperRare Ltd.	8.954e-02
## DeveloperRare Ltd., BigPark	2.955e-01
## DeveloperRaster	1.187e-01
## DeveloperRatbag	2.028e-01
## DeveloperRaven Software	2.674e-01
## DeveloperRaylight Studios	2.550e-01
## DeveloperRazorworks Studios	2.556e-01
## DeveloperReady at Dawn	1.751e-01
## DeveloperRealism Ltd	4.250e-01
## DeveloperReality Pump	6.068e-02
## DeveloperRealtime Worlds	6.964e-02
## DeveloperRebellion	1.389e-01
## DeveloperRED Entertainment	5.305e-01
## DeveloperRED Entertainment, Artdink	2.805e-01
## DeveloperRed Fly Studio	1.928e-01
## DeveloperRed Storm Entertainment	2.628e-01
## DeveloperRed Storm Entertainment, Ubisoft Montreal	1.086e-01
## DeveloperRed Tribe	1.583e-01
## DeveloperRed Zone Entertainment	1.343e-01
## DeveloperRedLynx	1.489e-01
## DeveloperReflections Interactive	1.884e-01
## DeveloperRelated Designs	-2.599e-01
## DeveloperRelic	6.585e-02

## DeveloperReloaded Productions, Reloaded Games Inc.	7.151e-02
## DeveloperRemedy Entertainment	4.962e-02
## DeveloperRenegade Kid	-1.855e-02
## DeveloperRespawn Entertainment	2.269e-01
## DeveloperRetro Studios	2.331e-01
## DeveloperRFX Interactive	1.764e-01
## DeveloperRitual Entertainment, Avalanche Software	2.772e-01
## DeveloperRobomodo	2.526e-01
## DeveloperRockstar Leeds	5.069e-02
## DeveloperRockstar London	1.384e-01
## DeveloperRockstar North	1.253e-01
## DeveloperRockstar San Diego	1.928e-01
## DeveloperRockstar Studios	3.121e-03
## DeveloperRockstar Toronto	1.038e-01
## DeveloperRockstar Toronto, Rockstar Leeds	2.661e-01
## DeveloperRocksteady Studios	2.388e-01
## DeveloperRocksteady Studios, Iron Galaxy Studios	3.560e-01
## DeveloperRonin Entertainment	1.488e-01
## DeveloperRuntime	NA
## DeveloperRyu ga Gotoku Studios	1.764e-01
## DeveloperS-Neo	NA
## DeveloperSabertooth Games	2.512e-01
## DeveloperSaffire	1.597e-01
## DeveloperSand Grain Studios	1.757e-01
## DeveloperSandlot	1.218e-01
## DeveloperSanta Cruz Games	2.075e-01
## DeveloperSanta Entertainment	NA
## DeveloperSanzaru Games	2.603e-01
## DeveloperSanzaru Games, Sanzaru Games, Inc.	1.645e-01
## DeveloperSCE Japan Studio	4.261e-02
## DeveloperSCE Japan Studio, comcept	2.115e-01
## DeveloperSCE Santa Monica	2.784e-01
## DeveloperSCE Studio Cambridge	7.292e-02
## DeveloperSCE/WWS, Media Molecule	-1.006e-01
## DeveloperSCEA	2.444e-01
## DeveloperSCEA San Diego Studios	3.414e-01
## DeveloperSCEA Sports Studio	3.371e-01
## DeveloperSCEA, Sims	4.647e-01
## DeveloperSCEE	8.867e-02
## DeveloperSCEE London Studio	-8.120e-02
## DeveloperSCEI	1.661e-01
## DeveloperSCEJ	1.918e-01
## DeveloperSCi	2.364e-01
## DeveloperScreenlife Games, WXP	1.712e-01
## DeveloperSecret Level	2.061e-01
## DeveloperSecret Stash Games	3.108e-01
## DeveloperSega	1.657e-01
## DeveloperSega AM2	2.201e-01
## DeveloperSega AM3	-1.132e-01
## DeveloperSega Studios San Francisco	1.517e-01
## DeveloperSega, Dimps Corporation	2.314e-01
## DeveloperSega, Sonic Team	2.389e-01
## DeveloperSensory Sweep	NA
## DeveloperSeta Corporation	8.717e-02

## DeveloperSeven45 Studios	-3.096e-02
## DeveloperShaba Games	1.482e-01
## DeveloperShade	8.764e-02
## DeveloperShift	1.085e-01
## DeveloperShin'en	1.367e-01
## DeveloperShiny Entertainment	3.520e-01
## DeveloperSidhe Interactive	1.792e-01
## DeveloperSilicon Knights	1.611e-01
## DeveloperSilicon Studio	1.058e-01
## DeveloperSimBin	3.106e-02
## DeveloperSimon & Schuster	3.363e-01
## DeveloperSkyRiver Studios	1.531e-01
## DeveloperSlant Six	2.366e-01
## DeveloperSledgehammer Games	2.725e-01
## DeveloperSlightly Mad Studios	NA
## DeveloperSmart Bomb Interactive	2.044e-01
## DeveloperSmilebit	1.409e-01
## DeveloperSnap Dragon Games	NA
## DeveloperSNK	2.361e-01
## DeveloperSNK Playmore	2.341e-01
## DeveloperSnowblind Studios	2.568e-01
## DeveloperSonic Team	3.102e-01
## DeveloperSonnori	2.653e-01
## DeveloperSony Bend	1.550e-01
## DeveloperSony Interactive Entertainment	1.736e-01
## DeveloperSony Online Entertainment	2.266e-01
## DeveloperSpark Unlimited	1.542e-01
## DeveloperSpellbound	1.390e-01
## DeveloperSpicy Horse	1.277e-01
## DeveloperSpiders	3.313e-01
## DeveloperSpidersoft, Spiders	3.289e-01
## DeveloperSpike	1.502e-01
## DeveloperSpike Chunsoft	1.532e-01
## DeveloperSpike Chunsoft Co. Ltd., Spike Chunsoft	1.931e-01
## DeveloperSpike Chunsoft, Chime	-7.047e-02
## DeveloperSpike, Namco Bandai Games	-1.043e-01
## DeveloperSplash Damage	-4.454e-02
## DeveloperSplash Damage, The Coalition	6.976e-01
## DeveloperSports Interactive	-3.105e-01
## DeveloperSquare Enix	1.828e-01
## DeveloperSquare Enix, Tri-Ace	9.622e-02
## DeveloperSquareSoft	6.316e-01
## DeveloperSScholastic Media	NA
## DeveloperStainless Games	1.838e-01
## DeveloperStarbreeze	-7.621e-03
## DeveloperStarsphere Interactive	1.225e-01
## DeveloperStill Alive Studios	NA
## DeveloperSting	1.869e-01
## DeveloperStormfront Studios	8.237e-02
## DeveloperStormregion	2.085e-01
## DeveloperStrangelite	1.504e-01
## DeveloperStudio Gigante	2.714e-01
## DeveloperStudio Liverpool	7.752e-02
## DeveloperStudio Saizensen	NA

## DeveloperSubterranean Games	1.737e-01
## DeveloperSuccess	NA
## DeveloperSucker Punch	3.822e-01
## DeveloperSumo Digital	6.000e-02
## DeveloperSun-Tec	6.055e-02
## DeveloperSunrise Interactive	8.461e-02
## DeveloperSunSoft	5.931e-02
## DeveloperSuper Empire	-1.921e-02
## DeveloperSuperBot Entertainment	2.337e-01
## DeveloperSuperMassive Games	1.654e-01
## DeveloperSuperVillain Studios	1.629e-01
## DeveloperSurreal Software	1.977e-01
## DeveloperSuzak	1.609e-01
## DeveloperSwingin' Ape	1.676e-02
## DeveloperSwordfish Studios	1.913e-02
## Developersyn Sophia	1.431e-01
## DeveloperSynetic	2.885e-01
## DeveloperTaito Corporation	2.362e-01
## DeveloperTaito Corporation, 505 Games	3.023e-01
## DeveloperTakara	6.562e-02
## DeveloperTakara Tomy	7.413e-02
## DeveloperTake-Two Interactive	1.175e-01
## DeveloperTamsoft	9.088e-02
## DeveloperTango Gameworks	7.313e-03
## DeveloperTaniko	1.391e-01
## DeveloperTantalus Interactive	-1.297e-01
## DeveloperTate Interactive	1.116e-01
## DeveloperTeam 17	9.907e-02
## DeveloperTeam 17, Two Tribes	-6.244e-02
## DeveloperTeam Bondi	2.791e-02
## DeveloperTeam Fusion	1.196e-01
## DeveloperTeam Ninja	1.111e-01
## DeveloperTechland	1.810e-01
## DeveloperTecmo	4.334e-02
## DeveloperTecmo Koei Canada	1.218e-01
## DeveloperTelenet	1.151e-01
## DeveloperTelltale Games	2.515e-01
## DeveloperTenky	1.586e-01
## DeveloperTerminal Reality	1.751e-01
## DeveloperTetris Online, Inc	1.481e-01
## DeveloperTeyon	2.081e-01
## DeveloperThatGameCompany	-1.265e-01
## DeveloperThe Behemoth	NA
## DeveloperThe Fun Pimps Entertainment LLC	2.641e-01
## DeveloperThe Game Factory	-3.313e-01
## DeveloperThe Sims Studio	3.570e-01
## DeveloperThe Workshop	1.676e-01
## DeveloperTHQ	1.239e-01
## DeveloperTHQ Digital Studio Phoenix	2.729e-01
## DeveloperTHQ, 1C, 1C Company	NA
## DeveloperTHQ, Yuke's	2.420e-01
## DeveloperTilted Mill	1.703e-01
## DeveloperTimeGate Studios	2.273e-02
## DeveloperTitus Software	1.706e-01

## DeveloperToka	-3.574e-02
## DeveloperTop Heavy Studios	8.912e-02
## DeveloperTorus Games	5.317e-01
## DeveloperTOSE	3.034e-01
## DeveloperTose Software	-5.836e-02
## DeveloperTouchdown Entertainment	NA
## DeveloperTOYBOX	NA
## DeveloperToys for Bob	2.717e-01
## DeveloperTranji	4.325e-03
## DeveloperTransmission Games	1.160e-01
## DeveloperTraveller's Tales	1.585e-01
## DeveloperTreasure	1.321e-01
## DeveloperTreyarch	3.294e-01
## DeveloperTreyarch, Shaba Games	1.589e-01
## DeveloperTreyarch, Sledgehammer Games	2.457e-01
## DeveloperTri-Ace	1.594e-01
## DeveloperTri-Crescendo	1.206e-01
## DeveloperTrickstar Games	2.881e-01
## DeveloperTrion Worlds	2.848e-01
## DeveloperTripwire Interactive	NA
## DeveloperTriumph Studios	1.634e-01
## DeveloperTT Fusion	2.953e-01
## DeveloperTT Games	1.607e-01
## DeveloperTurn 10	2.411e-01
## DeveloperTurtle Rock Studios	2.147e-01
## DeveloperTwisted Pixel Games	1.828e-02
## DeveloperUbisoft	2.474e-01
## DeveloperUbisoft Barcelona	6.575e-02
## DeveloperUbisoft Bulgaria	2.052e-01
## DeveloperUbisoft Casablanca	1.990e-01
## DeveloperUbisoft Milan	1.925e-01
## DeveloperUbisoft Montpellier	1.120e-01
## DeveloperUbisoft Montreal	1.859e-01
## DeveloperUbisoft Paris	2.789e-01
## DeveloperUbisoft Quebec	2.249e-01
## DeveloperUbisoft Reflections, Ivory Tower	4.743e-02
## DeveloperUbisoft Romania	7.732e-02
## DeveloperUbisoft Shanghai	1.675e-01
## DeveloperUbisoft Toronto	2.055e-01
## DeveloperUbisoft Vancouver	7.869e-02
## DeveloperUbisoft, FunHouse	1.854e-01
## DeveloperUbisoft, Ubisoft Montreal	3.743e-01
## DeveloperUBlart Montpellier	-1.543e-03
## DeveloperUDS	2.102e-03
## DeveloperUGA	NA
## DeveloperUnigine Corp, Russia	NA
## DeveloperUnited Front Games	6.736e-02
## DeveloperValhalla Game Studios	1.074e-01
## DeveloperValuewave Co.,Ltd.	1.203e-01
## DeveloperValve Software	3.225e-01
## DeveloperVanguard	1.269e-01
## DeveloperVanilla Ware	1.210e-01
## DeveloperVanillaware	1.601e-01
## DeveloperVenan Entertainment, Cashmere Prod.	1.002e-01

## DeveloperVenom Games	4.454e-02
## DeveloperVicarious Visions	2.514e-01
## DeveloperVicious Cycle	1.905e-01
## DeveloperVictor Interactive Software	-8.431e-02
## DeveloperVigil Games	1.752e-01
## DeveloperVirtuos	1.502e-01
## DeveloperVIS Entertainment	1.088e-01
## DeveloperVisceral Games	2.174e-01
## DeveloperVisual Concepts	3.132e-01
## DeveloperVisual Impact	1.415e-01
## DeveloperVisual Sciences	2.957e-02
## DeveloperVivarium	2.157e-01
## DeveloperVivendi Games	-4.555e-02
## DeveloperVogster	1.700e-01
## DeveloperVolatile Games	8.397e-02
## DeveloperVolition Inc.	1.241e-01
## DeveloperVSTEP	2.638e-01
## DeveloperWargaming.net	2.843e-01
## DeveloperWarner Bros. Interactive Entertainment	4.778e-02
## DeveloperWarner Bros. Interactive Entertainment, NetherRealm Studios	3.703e-01
## DeveloperWarthog	1.106e-01
## DeveloperWayForward	1.979e-01
## DeveloperWBIE	4.561e-01
## DeveloperWebfoot Technologies	4.940e-01
## DeveloperWicked Witch Software	NA
## DeveloperWideload Games Inc.	1.631e-01
## DeveloperWideScreen Games	1.224e-01
## DeveloperWinkySoft	1.081e-01
## DeveloperWizarbox	NA
## DeveloperWow Entertainment	1.688e-01
## DeveloperWXP	1.439e-01
## DeveloperXpec	1.639e-01
## DeveloperYacht Club Games	NA
## DeveloperYager	6.505e-02
## DeveloperYuke's	1.794e-01
## DeveloperZ-Axis, Ltd.	1.748e-01
## DeveloperZed Two Limited	2.565e-01
## DeveloperZen Studios	1.681e-01
## DeveloperZener Works	4.859e-02
## DeveloperZeniMax Media	1.442e-01
## DeveloperZerodiv	1.489e-01
## DeveloperZipper Interactive	5.946e-01
## DeveloperZoe Mode	2.465e-01
## DeveloperZombie Studios	1.547e-01
## DeveloperZoom	7.341e-02
## DeveloperZootFly	-7.828e-02
## sqrtEU_Sales	2.150e-01
## invJP_Sales	-1.084e-04
## sqrtOther_Sales	1.092e+00
## Year_of_Release	-9.829e-03
##	Std. Error
## (Intercept)	4.170e+00
## GenreAdventure	2.941e-02
## GenreFighting	2.462e-02

## GenreMisc	2.222e-02
## GenrePlatform	2.014e-02
## GenrePuzzle	4.206e-02
## GenreRacing	2.198e-02
## GenreRole-Playing	2.311e-02
## GenreShooter	1.789e-02
## GenreSimulation	2.602e-02
## GenreSports	1.833e-02
## GenreStrategy	3.059e-02
## sqUser_Score	2.175e-07
## sqCritic_Score	2.298e-05
## PlatformDC	9.667e-02
## PlatformDS	3.496e-02
## PlatformGBA	4.228e-02
## PlatformGC	3.771e-02
## PlatformPC	3.455e-02
## PlatformPS	4.777e-02
## PlatformPS2	3.549e-02
## PlatformPS3	3.209e-02
## PlatformPS4	3.585e-02
## PlatformPSP	3.537e-02
## PlatformPSV	4.245e-02
## PlatformWii	3.334e-02
## PlatformWiiU	4.321e-02
## PlatformX360	3.185e-02
## PlatformXB	3.667e-02
## PlatformXOne	3.864e-02
## Publisher2D Boy	2.677e-01
## Publisher3D0	3.919e-01
## Publisher505 Games	3.545e-01
## Publisher5pb	4.169e-01
## PublisherAcclaim Entertainment	3.619e-01
## PublisherAcquire	4.302e-01
## PublisherActivision	3.516e-01
## PublisherActivision Blizzard	4.030e-01
## PublisherActivision Value	3.755e-01
## PublisherAgatsuma Entertainment	2.323e-01
## PublisherAgetec	2.662e-01
## PublisherAksys Games	2.660e-01
## PublisherAlternative Software	2.661e-01
## PublisherAqua Plus	4.475e-01
## PublisherArc System Works	4.081e-01
## PublisherASCII Entertainment	2.675e-01
## PublisherAspyr	4.427e-01
## PublisherAstragon	2.663e-01
## PublisherAtari	3.521e-01
## PublisherAtlas	3.610e-01
## PublisherAvalon Interactive	2.310e-01
## PublisherAvanquest	2.660e-01
## PublisherBAM! Entertainment	3.837e-01
## PublisherBanpresto	2.182e-01
## PublisherBethesda Softworks	3.689e-01
## PublisherBigben Interactive	4.079e-01
## PublisherBlack Bean Games	4.070e-01

## PublisherBlack Label Games	4.214e-01
## PublisherBohemia Interactive	4.212e-01
## PublisherBrash Entertainment	2.671e-01
## PublisherCapcom	3.529e-01
## PublisherCCP	2.302e-01
## PublisherCity Interactive	2.067e-01
## PublisherCloud Imperium Games Corporation	4.075e-01
## PublisherCodemasters	3.587e-01
## PublisherCompile Heart	4.216e-01
## PublisherCrave Entertainment	3.756e-01
## PublisherCrimson Cow	2.660e-01
## PublisherCrytek	4.126e-01
## PublisherD3Publisher	3.579e-01
## PublisherDaedalic	2.659e-01
## PublisherDeep Silver	3.550e-01
## PublisherDestination Software, Inc	4.093e-01
## PublisherDestineer	4.160e-01
## PublisherDevolver Digital	4.282e-01
## PublisherDisney Interactive Studios	3.534e-01
## PublisherDreamCatcher Interactive	4.627e-01
## PublisherDTP Entertainment	2.301e-01
## PublisherDusenberry Martin Racing	2.665e-01
## PublisherEA Games	4.079e-01
## PublisherEidos Interactive	3.535e-01
## PublisherElectronic Arts	3.522e-01
## PublisherEmpire Interactive	3.606e-01
## PublisherEncore	2.664e-01
## PublisherEnix Corporation	3.826e-01
## PublisherEnterbrain	2.659e-01
## PublisherEvolved Games	4.055e-01
## PublisherFalcom Corporation	3.975e-01
## PublisherFlashpoint Games	2.661e-01
## PublisherFocus Home Interactive	4.208e-01
## PublisherFrom Software	3.703e-01
## PublisherFunbox Media	2.680e-01
## PublisherFuncom	2.302e-01
## PublisherFuRyu	4.191e-01
## PublisherGame Factory	4.205e-01
## PublisherGamebridge	4.053e-01
## PublisherGamecock	3.861e-01
## PublisherGathering of Developers	3.788e-01
## PublisherGearbox Software	4.010e-01
## PublisherGenki	3.882e-01
## PublisherGhostlight	3.885e-01
## PublisherGlobal Star	3.602e-01
## PublisherGotham Games	4.206e-01
## PublisherGroove Games	2.668e-01
## PublisherGT Interactive	4.416e-01
## PublisherGungHo	3.929e-01
## PublisherHarmonix Music Systems	3.812e-01
## PublisherHasbro Interactive	4.033e-01
## PublisherHello Games	2.658e-01
## PublisherHip Interactive	3.709e-01
## PublisherHome Entertainment Suppliers	4.161e-01

## PublisherHudson Entertainment	4.204e-01
## PublisherHudson Soft	4.138e-01
## PublisherHuman Entertainment	2.653e-01
## PublisherIceberg Interactive	2.629e-01
## PublisherIdea Factory	3.791e-01
## PublisherIdea Factory International	3.882e-01
## PublisherIgnition Entertainment	3.642e-01
## PublisherIndie Games	3.784e-01
## PublisherInfogrames	3.620e-01
## PublisherInsomniac Games	4.211e-01
## PublisherInterplay	3.723e-01
## PublisherIntroversion Software	2.659e-01
## PublisherJaleco	4.061e-01
## PublisherJester Interactive	4.447e-01
## PublisherJoWood Productions	3.806e-01
## PublisherKadokawa Shoten	4.290e-01
## PublisherKalypso Media	2.660e-01
## PublisherKemco	2.667e-01
## PublisherKoch Media	4.427e-01
## PublisherKonami Digital Entertainment	3.541e-01
## PublisherLighthouse Interactive	4.857e-01
## PublisherLittle Orbit	4.032e-01
## PublisherLucasArts	3.538e-01
## PublisherMajesco Entertainment	3.781e-01
## PublisherMamba Games	2.629e-01
## PublisherMarvelous Entertainment	3.976e-01
## PublisherMarvelous Interactive	4.012e-01
## PublisherMastertronic	3.839e-01
## PublisherMastiff	4.463e-01
## PublisherMC2 Entertainment	2.452e-01
## PublisherMercury Games	4.949e-01
## PublisherMetro 3D	3.683e-01
## PublisherMicroids	2.093e-01
## PublisherMicrosoft Game Studios	3.528e-01
## PublisherMidas Interactive Entertainment	3.850e-01
## PublisherMidway Games	3.544e-01
## PublisherMilestone S.r.l	4.196e-01
## PublisherMilestone S.r.l.	4.126e-01
## PublisherMindscape	4.272e-01
## PublisherMonte Christo Multimedia	4.997e-01
## PublisherMoss	2.657e-01
## PublisherMTV Games	3.617e-01
## PublisherMud Duck Productions	2.661e-01
## PublisherN/A	4.360e-01
## PublisherNamco Bandai Games	3.522e-01
## PublisherNatsume	4.170e-01
## PublisherNavarre Corp	2.657e-01
## PublisherNCSoft	2.299e-01
## PublisherNDA Productions	4.964e-01
## PublisherNewKidCo	2.670e-01
## PublisherNintendo	3.528e-01
## PublisherNippon Ichi Software	3.597e-01
## PublisherNobilis	4.965e-01
## PublisherNordic Games	3.705e-01

## PublisherNovaLogic	4.021e-01
## PublisherNumber None	2.655e-01
## Publisher0-Games	2.657e-01
## Publisher03 Entertainment	2.659e-01
## PublisherParadox Interactive	4.084e-01
## PublisherPhantagram	4.285e-01
## PublisherPlay It	3.805e-01
## PublisherPlaylogic Game Factory	4.396e-01
## PublisherPopCap Games	4.110e-01
## PublisherPopcorn Arcade	4.254e-01
## PublisherPQube	3.621e-01
## PublisherPsygnosis	4.431e-01
## PublisherRage Software	2.308e-01
## PublisherRebellion	2.677e-01
## PublisherRebellion Developments	4.023e-01
## PublisherRedOctane	3.811e-01
## PublisherReef Entertainment	2.660e-01
## PublisherRising Star Games	3.568e-01
## PublisherRussel	4.057e-01
## PublisherSammy Corporation	4.043e-01
## PublisherScholastic Inc.	2.675e-01
## PublisherSCi	4.207e-01
## PublisherScreenlife	4.054e-01
## PublisherSega	3.517e-01
## PublisherSlightly Mad Studios	2.665e-01
## PublisherSNK	4.104e-01
## PublisherSold Out	4.114e-01
## PublisherSony Computer Entertainment	3.528e-01
## PublisherSony Computer Entertainment America	4.036e-01
## PublisherSony Computer Entertainment Europe	3.618e-01
## PublisherSony Online Entertainment	4.151e-01
## PublisherSouthPeak Games	3.596e-01
## PublisherSpike	3.669e-01
## PublisherSquare Enix	3.534e-01
## PublisherSquare Enix	4.200e-01
## PublisherSquareSoft	4.101e-01
## PublisherSting	3.802e-01
## PublisherSuccess	2.311e-01
## PublisherSwing! Entertainment	4.093e-01
## PublisherSystem 3 Arcade Software	4.626e-01
## PublisherTaito	4.052e-01
## PublisherTakara Tomy	2.662e-01
## PublisherTake-Two Interactive	3.510e-01
## PublisherTDK Mediactive	3.706e-01
## PublisherTecmo Koei	3.547e-01
## PublisherTelltale Games	2.667e-01
## PublisherTHQ	3.517e-01
## PublisherTitus	4.113e-01
## PublisherTouchstone	3.999e-01
## PublisherTripwire Interactive	2.649e-01
## PublisherTru Blu Entertainment	2.658e-01
## PublisherUbisoft	3.524e-01
## PublisherUbisoft Annecy	3.608e-01
## PublisherUniversal Interactive	3.642e-01

## PublisherUnknown	3.580e-01
## PublisherValve Software	4.038e-01
## PublisherVirgin Interactive	3.591e-01
## PublisherVivendi Games	3.524e-01
## PublisherWanadoo	4.056e-01
## PublisherWargaming.net	4.439e-01
## PublisherWarner Bros. Interactive Entertainment	3.510e-01
## PublisherWhite Park Bay Software	2.682e-01
## PublisherXplosiv	4.032e-01
## PublisherXS Games	2.662e-01
## PublisherXseed Games	3.936e-01
## PublisherYacht Club Games	2.319e-01
## PublisherZoo Digital Publishing	3.604e-01
## PublisherZoo Games	2.661e-01
## PublisherZushi Games	4.395e-01
## Developer1C, 1C Company	3.521e-01
## Developer1C, Ino-Co, 1C Company	4.082e-01
## Developer1C: Maddox Games	3.519e-01
## Developer1C:Ino-Co	4.086e-01
## Developer2015	3.515e-01
## Developer2D Boy	NA
## Developer2K Australia	3.242e-01
## Developer2K Czech	3.243e-01
## Developer2K Games	3.249e-01
## Developer2K Marin	3.152e-01
## Developer2K Sports	3.054e-01
## Developer2XL Games	3.516e-01
## Developer343 Industries	3.516e-01
## Developer3d6 Games	3.520e-01
## Developer3DO	3.378e-01
## Developer49Games	3.544e-01
## Developer4A Games	3.160e-01
## Developer4J Studios	3.186e-01
## Developer5pb	3.226e-01
## Developer5TH Cell	3.088e-01
## Developer7 Studios	3.157e-01
## Developer8ing/Raizing	3.537e-01
## Developer989 Sports	3.071e-01
## DeveloperAccess Games	3.270e-01
## DeveloperAcclaim	3.144e-01
## DeveloperAcclaim Studios Austin	3.610e-01
## DeveloperAcclaim Studios Cheltenham	3.214e-01
## DeveloperAcquire	3.069e-01
## DeveloperActivision	3.073e-01
## DeveloperAdrenium	3.250e-01
## DeveloperAI	4.138e-01
## DeveloperAirtight Games	3.170e-01
## DeveloperAkella	2.660e-01
## DeveloperAki Corp.	3.168e-01
## DeveloperAlfa System	3.517e-01
## DeveloperAlphadream Corporation	3.530e-01
## DeveloperAmanita Design	2.630e-01
## DeveloperAmaze	3.512e-01
## DeveloperAmaze Entertainment	3.041e-01

## DeveloperAmbrella	3.271e-01
## DeveloperAmbrella, The Pokemon Company	3.529e-01
## DeveloperAmusement Vision	3.162e-01
## DeveloperAmuze	3.253e-01
## DeveloperAnchor	3.517e-01
## DeveloperAngel Studios	3.541e-01
## DeveloperAnimation Arts	3.550e-01
## DeveloperAppaloosa Interactive	3.513e-01
## DeveloperAQ Interactive	3.531e-01
## DeveloperArc System Works	3.064e-01
## DeveloperArenaNet	NA
## DeveloperArgonaut Games	3.067e-01
## DeveloperArika	3.266e-01
## DeveloperArkane Studios	3.358e-01
## DeveloperArkedo Studio	3.550e-01
## DeveloperArmature Studio	3.501e-01
## DeveloperArt	3.269e-01
## DeveloperArtefacts Studio	4.291e-01
## DeveloperArtePiazza	3.283e-01
## DeveloperArtificial Mind and Movement	3.026e-01
## DeveloperArtificial Mind and Movement, EA Redwood Shores	3.515e-01
## DeveloperArtificial Studios, Immersion Software & Graphics	3.585e-01
## DeveloperArtoon	3.262e-01
## DeveloperArzest	3.530e-01
## DeveloperAscaron Entertainment GmbH, Ascaron Entertainment	3.549e-01
## DeveloperAsobo Studio	3.049e-01
## DeveloperAspect	3.274e-01
## DeveloperAspyr	4.407e-01
## DeveloperAtari	3.281e-01
## DeveloperAtari, Slightly Mad Studios, Atari SA	3.582e-01
## DeveloperAtlas	3.120e-01
## DeveloperAtlas Co.	3.605e-01
## DeveloperAtomic Games	4.148e-01
## DeveloperAtomic Motion	4.053e-01
## DeveloperAtomic Planet Entertainment	3.270e-01
## DeveloperAttention To Detail	3.259e-01
## DeveloperAutumn Moon	NA
## DeveloperAvalanche Software	3.073e-01
## DeveloperAvalanche Studios	3.257e-01
## DeveloperAvalon Style	2.653e-01
## DeveloperAWE Games	3.531e-01
## DeveloperAwesome Play Ltd.	3.701e-01
## DeveloperAwesome Studios	3.659e-01
## DeveloperBabylon Software	4.058e-01
## DeveloperBackbone Entertainment	3.045e-01
## DeveloperBam Entertainment	3.828e-01
## DeveloperBandai	3.075e-01
## DeveloperBandai Namco Games	3.079e-01
## DeveloperBandai Namco Games, Artdink	3.262e-01
## DeveloperBanpresto, SoftMax	2.154e-01
## DeveloperBarnhouse Effect	3.471e-01
## DeveloperBattlefront.com, 1C, 1C Company	2.659e-01
## DeveloperBec	3.174e-01
## DeveloperBeenox	3.038e-01

## DeveloperBehaviour Interactive	3.255e-01
## DeveloperBeluga Computer	4.170e-01
## DeveloperBest Way	3.287e-01
## DeveloperBethesda Game Studios	3.285e-01
## DeveloperBethesda Softworks	3.508e-01
## DeveloperBeyond Games	3.516e-01
## DeveloperBig Ant Studios	NA
## DeveloperBig Blue Box	3.524e-01
## DeveloperBig Blue Bubble Inc.	3.532e-01
## DeveloperBig Huge Games	3.254e-01
## DeveloperBig Red Software	3.590e-01
## DeveloperBig Sky Software	3.517e-01
## DeveloperBigbig Studios	3.267e-01
## DeveloperBionic Games	3.531e-01
## DeveloperBioWare	3.021e-01
## DeveloperBioWare, Demiurge Studios	3.515e-01
## DeveloperBits Studios	4.197e-01
## DeveloperBizarre Creations	3.063e-01
## DeveloperBlack Box	3.045e-01
## DeveloperBlack Hole Games	3.298e-01
## DeveloperBlack Isle Studios	3.269e-01
## DeveloperBlack Lantern Studios	3.623e-01
## DeveloperBlack Ops Entertainment	3.527e-01
## DeveloperBlack Rock Studio	3.139e-01
## DeveloperBlack Sea Studios	4.397e-01
## DeveloperBlack Ship Games	3.265e-01
## DeveloperBlade Interactive	3.579e-01
## DeveloperBlitz Games	3.033e-01
## DeveloperBlitz Games Studios	3.253e-01
## DeveloperBlizzard Entertainment	3.031e-01
## DeveloperBlizzard North	3.523e-01
## DeveloperBlue Byte	3.525e-01
## DeveloperBlue Byte, Related Designs	3.519e-01
## DeveloperBlue Castle Games	3.060e-01
## DeveloperBlue Omega	3.330e-01
## DeveloperBlue Shift	3.163e-01
## DeveloperBlue Tongue	3.525e-01
## DeveloperBlue Tongue Entertainment	3.069e-01
## DeveloperBluepoint Games	3.260e-01
## DeveloperBlueshift	3.511e-01
## DeveloperBohemia Interactive	3.277e-01
## DeveloperBongfish	3.515e-01
## DeveloperBoston Animation	3.706e-01
## DeveloperBottleRocket Entertainment	3.519e-01
## DeveloperBrain Toys	3.522e-01
## DeveloperBrainbox Games	NA
## DeveloperBrash Entertainment	2.639e-01
## DeveloperBudCat	3.192e-01
## DeveloperBugbear	3.209e-01
## DeveloperBullets	3.530e-01
## DeveloperBungie	3.251e-01
## DeveloperBungie Software	3.519e-01
## DeveloperBungie Software, Bungie	3.116e-01
## DeveloperBuzz Monkey	3.530e-01

## DeveloperBuzz Monkey, EA Montreal	3.516e-01
## DeveloperCamelot Software Planning	3.103e-01
## DeveloperCamouflaj, LLC	3.594e-01
## DeveloperCapcom	2.993e-01
## DeveloperCapcom Vancouver	3.165e-01
## DeveloperCapcom, Pipeworks Software, Inc.	3.520e-01
## DeveloperCAProduction	3.526e-01
## DeveloperCareer Soft	3.572e-01
## DeveloperCat Daddy Games	3.259e-01
## DeveloperCattle Call	3.524e-01
## DeveloperCauldron Ltd.	3.513e-01
## DeveloperCavia Inc.	3.059e-01
## DeveloperCCP	NA
## DeveloperCD Projekt Red Studio	3.090e-01
## DeveloperChunSoft	3.263e-01
## DeveloperCing	3.182e-01
## DeveloperCity Interactive	NA
## DeveloperCity Interactive, Deck 13	3.277e-01
## DeveloperClap Hanz	3.128e-01
## DeveloperClimax Entertainment	3.525e-01
## DeveloperClimax Group	3.016e-01
## DeveloperClimax Group, Climax Studios	3.162e-01
## DeveloperClimax Studios	3.513e-01
## DeveloperClover Studio	3.131e-01
## DeveloperCodemasters	3.064e-01
## DeveloperCodemasters Birmingham	3.236e-01
## DeveloperCollision Studios	3.587e-01
## DeveloperColossal Order	4.082e-01
## DeveloperCompile Heart	3.274e-01
## DeveloperCompulsion Games	4.203e-01
## DeveloperComputer Artworks	3.272e-01
## DeveloperContraband Entertainment	3.516e-01
## DeveloperCooking Mama Limited	3.297e-01
## DeveloperCore Design Ltd.	3.185e-01
## DeveloperCoresoft	3.801e-01
## DeveloperCoyote Developments	3.327e-01
## DeveloperCranky Pants Games	3.510e-01
## DeveloperCrave	3.236e-01
## DeveloperCrawfish Interactive	3.541e-01
## DeveloperCreat Studios	3.215e-01
## DeveloperCreative Assembly	3.016e-01
## DeveloperCreatures Inc.	3.528e-01
## DeveloperCrispy's	3.521e-01
## DeveloperCriterion Games	3.043e-01
## DeveloperCroteam	3.337e-01
## DeveloperCryptic Studios	3.517e-01
## DeveloperCrystal Dynamics	3.066e-01
## DeveloperCrystal Dynamics, Nixxes Software	3.536e-01
## DeveloperCrytek	3.158e-01
## DeveloperCunning Developments	3.596e-01
## DeveloperCyan Worlds	3.525e-01
## DeveloperCyanide	3.917e-01
## DeveloperCyanide, Cyanide Studios	4.208e-01
## DeveloperCyberConnect2	3.029e-01

## DeveloperCyberConnect2, Racjin	3.519e-01
## DeveloperCyberlore Studios	3.257e-01
## DeveloperDaedalic Entertainment	NA
## DeveloperDarkworks	3.259e-01
## DeveloperData Design Interactive	3.351e-01
## DeveloperDavid A. Palmer Productions	3.260e-01
## DeveloperDay 1 Studios	3.043e-01
## DeveloperDC Studios	3.136e-01
## DeveloperDeadline Games	3.528e-01
## DeveloperDeck 13	2.293e-01
## DeveloperDeep Red	3.522e-01
## DeveloperDeep Silver	3.544e-01
## DeveloperDeep Silver Dambuster Studios	3.544e-01
## DeveloperDeep Silver, Sproing Interactive Media, Sproing	3.561e-01
## DeveloperDeibus Studios	3.165e-01
## DeveloperDelphine Software International	3.528e-01
## DeveloperDestination Software	NA
## DeveloperDestineer	3.503e-01
## DeveloperDigital Eclipse	3.040e-01
## DeveloperDigital Embryo	3.800e-01
## DeveloperDigital Extremes	3.039e-01
## DeveloperDigital Extremes, 2K Marin	3.502e-01
## DeveloperDigital Illusions	3.091e-01
## DeveloperDimps Corporation	3.010e-01
## DeveloperDimps Corporation, Namco Bandai Games	3.263e-01
## DeveloperDimps Corporation, Sonic Team	3.518e-01
## DeveloperDisney Interactive	3.259e-01
## DeveloperDisney Interactive Studios	3.540e-01
## DeveloperDMA Design	3.512e-01
## DeveloperDONTNOD Entertainment	3.176e-01
## DeveloperDouble Fine Productions	3.508e-01
## DeveloperDouble Helix Games	3.048e-01
## DeveloperDreamcatcher	3.809e-01
## DeveloperDreamFactory	3.121e-01
## DeveloperDreamworks Games	3.513e-01
## DeveloperDreamworks Interactive	3.266e-01
## DeveloperDTP Entertainment	2.299e-01
## DeveloperDusenberry Martin Racing	NA
## DeveloperEA Black Box	3.122e-01
## DeveloperEA Bright Light	3.037e-01
## DeveloperEA Canada	2.988e-01
## DeveloperEA Canada, EA Vancouver	3.520e-01
## DeveloperEA Chicago	3.168e-01
## DeveloperEA DICE	3.017e-01
## DeveloperEA Games	3.022e-01
## DeveloperEA Japan Studio	3.523e-01
## DeveloperEA LA	3.049e-01
## DeveloperEA Montreal	3.120e-01
## DeveloperEA Phenomic	3.522e-01
## DeveloperEA Redwood Shores	3.071e-01
## DeveloperEA Redwood Shores, EA Salt Lake	3.521e-01
## DeveloperEA Salt Lake	3.259e-01
## DeveloperEA Seattle	3.519e-01
## DeveloperEA Sports	2.988e-01

## DeveloperEA Sports Big	3.260e-01
## DeveloperEA Sports, EA Vancouver	3.259e-01
## DeveloperEA Tiburon	2.993e-01
## DeveloperEagle Dynamics	3.522e-01
## DeveloperEden Studios	3.120e-01
## DeveloperEdge Entertainment, Anima Project	NA
## DeveloperEdge of Reality	3.116e-01
## DeveloperEdmund McMillen, Florian Himsl	3.572e-01
## DeveloperEgosoft	3.549e-01
## DeveloperEidos Interactive	3.191e-01
## DeveloperEidos Montreal	3.521e-01
## DeveloperEidos Montreal, Nixxes Software	3.528e-01
## DeveloperEighting	3.270e-01
## DeveloperEighting, Takara Tomy	3.552e-01
## DeveloperEighting/Raizing	3.190e-01
## DeveloperEKO Software	3.553e-01
## DeveloperElectronic Arts	2.993e-01
## DeveloperElectronic Arts, EA Redwood Shores	3.509e-01
## DeveloperElectronic Arts, Rebellion	3.522e-01
## DeveloperElixir Studios	3.525e-01
## DeveloperEmpty Clip Studios	2.667e-01
## DeveloperEngine Software	3.146e-01
## DeveloperEnjoyUp Games	4.146e-01
## DeveloperEnlight Software	3.808e-01
## DeveloperEnsemble Studios	3.531e-01
## DeveloperEnterbrain	2.646e-01
## DeveloperEpic Games	3.048e-01
## DeveloperEpic Games, People Can Fly	3.507e-01
## DeveloperEquinoxe	3.635e-01
## DeveloperEtranges Libellules	3.073e-01
## DeveloperEugen Systems	3.526e-01
## DeveloperEurocom Entertainment Software	2.996e-01
## DeveloperEutechnyx	3.051e-01
## DeveloperEutechnyx, Deep Silver	3.556e-01
## DeveloperEvolution Studios	3.181e-01
## DeveloperExakt	3.120e-01
## DeveloperExamu	3.621e-01
## DeveloperExamu, Marvelous Inc.	4.006e-01
## DeveloperExient Entertainment	3.014e-01
## DeveloperExperience Inc.	3.590e-01
## DeveloperFactor 5	3.543e-01
## DeveloperFalcom	3.247e-01
## DeveloperFarsight Studios	3.804e-01
## DeveloperFASA Studio	3.265e-01
## DeveloperFatshark AB	3.291e-01
## DeveloperFeelPlus	3.576e-01
## DeveloperFiraxis Games	3.047e-01
## DeveloperFirebrand Games	3.524e-01
## DeveloperFireFly Studios	3.476e-01
## DeveloperFlagship	3.528e-01
## DeveloperFlagship Studios	3.516e-01
## DeveloperFlight-Plan	NA
## DeveloperFluid Studios	NA
## DeveloperFlying Lab Software	4.427e-01

## DeveloperFlying Tiger Development	3.527e-01
## DeveloperFox Interactive	3.519e-01
## DeveloperFree Radical Design	3.074e-01
## DeveloperFreeStyleGames	3.074e-01
## DeveloperFrom Software	3.004e-01
## DeveloperFrontier Developments	3.162e-01
## DeveloperFrozenbyte, Inc.	4.201e-01
## DeveloperFull-Fat	3.612e-01
## DeveloperFull Fat	3.131e-01
## DeveloperFUN Labs	3.119e-01
## DeveloperFunatics Software, Funatics	3.531e-01
## DeveloperFuncom	NA
## DeveloperFuRyu	3.587e-01
## DeveloperFuse Games Limited	3.272e-01
## DeveloperFusionsphere Systems, Animation Arts	3.551e-01
## DeveloperG-Artists	3.642e-01
## DeveloperG.Rev	3.520e-01
## DeveloperGaijin Entertainment	3.064e-01
## DeveloperGaijin Games	3.577e-01
## DeveloperGame Arts	3.373e-01
## DeveloperGame Freak	3.274e-01
## DeveloperGame Republic	3.059e-01
## DeveloperGame Republic, JapanStudio	3.525e-01
## DeveloperGame Titan	3.728e-01
## DeveloperGameinvest, Seed Studios, Lda	3.791e-01
## DeveloperGameloft	3.131e-01
## DeveloperGameness Art Software	3.690e-01
## DeveloperGaming Minds Studios	2.187e-01
## DeveloperGanbarion	3.096e-01
## DeveloperGas Powered Games	3.122e-01
## DeveloperGCP1	3.536e-01
## DeveloperGearbox Software	3.008e-01
## DeveloperGearbox Software, 3D Realms	3.502e-01
## DeveloperGenePool	3.515e-01
## DeveloperGenius Sonority Inc.	3.273e-01
## DeveloperGenki	3.356e-01
## DeveloperGenuine Games	3.176e-01
## DeveloperGhost Games	3.259e-01
## DeveloperGiants Software	4.206e-01
## DeveloperGood-Feel	3.534e-01
## DeveloperGood Science Studio	3.530e-01
## DeveloperGorilla Systems	3.588e-01
## DeveloperGrasshopper Manufacture	3.060e-01
## DeveloperGratuitous Games	3.257e-01
## DeveloperGRIN	3.150e-01
## DeveloperGriptonite Games	3.022e-01
## DeveloperGSC Game World	3.259e-01
## DeveloperGuerilla Cambridge	3.281e-01
## DeveloperGuerrilla	3.256e-01
## DeveloperGuildford Studio	3.579e-01
## DeveloperGungHo	3.702e-01
## DeveloperGust	3.122e-01
## DeveloperGusto Games	NA
## Developerh.a.n.d. Inc.	3.180e-01

## DeveloperHaemimont	2.176e-01
## DeveloperHAL Labs	3.084e-01
## DeveloperHAL Labs, Creatures Inc.	3.528e-01
## DeveloperHalfbrick Studios	3.517e-01
## DeveloperHarmonix Music Systems	3.047e-01
## DeveloperHarmonix Music Systems, Backbone Entertainment	3.615e-01
## DeveloperHarmonix Music Systems, Demiurge Studios	3.609e-01
## DeveloperHB Studios Multimedia	3.094e-01
## DeveloperHeadfirst Productions	3.515e-01
## DeveloperHeadstrong Games	3.112e-01
## DeveloperHeavy Iron Studios	3.017e-01
## DeveloperHelixe	3.520e-01
## DeveloperHellbent Games	3.521e-01
## DeveloperHello Games	NA
## DeveloperHexaDrive	3.530e-01
## DeveloperHigh Impact Games	3.258e-01
## DeveloperHigh Moon Studios	3.156e-01
## DeveloperHigh Moon Studios, Mercenary Technologies	3.507e-01
## DeveloperHigh Voltage Software	3.024e-01
## DeveloperHigh Voltage Software, Backbone Entertainment	3.273e-01
## DeveloperHitmaker	3.621e-01
## DeveloperHotGen	2.636e-01
## DeveloperHothouse Creations	3.542e-01
## DeveloperHousemarque	3.517e-01
## DeveloperHudson	3.083e-01
## DeveloperHudson Entertainment	3.560e-01
## DeveloperHudson Soft	3.105e-01
## DeveloperHuman Head Studios	3.245e-01
## DeveloperHuman Soft	3.532e-01
## DeveloperHumongous Entertainment	3.615e-01
## DeveloperHydravision	1.640e-01
## DeveloperHypnos	3.514e-01
## DeveloperHypnos Entertainment	3.513e-01
## DeveloperHypnotix	3.700e-01
## DeveloperIce-Pick Lodge	2.660e-01
## Developerid Software	3.509e-01
## Developerid Software, Nerve Software	3.509e-01
## Developerid Software, Raven Software	3.506e-01
## DeveloperIdea Factory	3.469e-01
## DeveloperIdea Factory, Compile Heart	3.548e-01
## DeveloperIdol Minds	3.269e-01
## DeveloperIgnition Entertainment	3.386e-01
## DeveloperImage Epoch, Imageepoch	3.136e-01
## DeveloperImmersion Software & Graphics	3.538e-01
## DeveloperIncinerator Games	3.522e-01
## DeveloperIncognito Inc.	3.273e-01
## DeveloperIndi	4.177e-01
## DeveloperIndie Built	3.522e-01
## DeveloperIndies Zero	3.193e-01
## DeveloperInevitable Entertainment	3.265e-01
## DeveloperInferno Games	4.094e-01
## DeveloperInfinite Dreams, Paragon 5	4.062e-01
## DeveloperInfinite Interactive	3.185e-01
## DeveloperInfinity Ward	3.045e-01

## DeveloperInfinity Ward, Sledgehammer Games	3.508e-01
## DeveloperInfogrames	3.623e-01
## DeveloperiNiS	3.520e-01
## DeveloperInsomniac Games	3.527e-01
## DeveloperIntelligent Systems	3.056e-01
## DeveloperInteractive Brains	3.542e-01
## DeveloperInterchannel	3.565e-01
## DeveloperInterplay	NA
## DeveloperInti	3.283e-01
## DeveloperInti Creates	3.129e-01
## DeveloperInti, Inti Creates	3.529e-01
## DeveloperIntroversion, Double Eleven	NA
## DeveloperInXile Entertainment	3.128e-01
## DeveloperIo Interactive	3.023e-01
## DeveloperIon Storm	3.271e-01
## DeveloperIR Gurus	3.588e-01
## DeveloperIrem	3.192e-01
## DeveloperIridon Interactive AB	NA
## DeveloperIron Galaxy Studios	2.637e-01
## DeveloperIron Lore Entertainment	3.515e-01
## DeveloperIsopod Labs	3.283e-01
## DeveloperITL	3.285e-01
## DeveloperIvory Tower	3.521e-01
## DeveloperJaleco Entertainment	3.413e-01
## DeveloperJellyvision, Iron Galaxy Studios	3.264e-01
## DeveloperJester Interactive	3.583e-01
## DeveloperJGI Entertainment	3.552e-01
## DeveloperJoWooD Entertainment AG	3.810e-01
## DeveloperJuice Games	3.121e-01
## DeveloperJunction Point	3.544e-01
## DeveloperJupiter Corporation	3.175e-01
## DeveloperK2	3.574e-01
## DeveloperK2 LLC	3.571e-01
## DeveloperK2, Kurogane	3.585e-01
## DeveloperKadokawa	3.600e-01
## DeveloperKalypso	2.666e-01
## DeveloperKaos Studios	3.160e-01
## DeveloperKCE Studios	3.190e-01
## DeveloperKCEJ	3.193e-01
## DeveloperKCEO	3.546e-01
## DeveloperKCET	3.054e-01
## DeveloperKeen Games	3.526e-01
## DeveloperKemco	2.303e-01
## DeveloperKing of the Jungle	NA
## DeveloperKnowWonder	3.516e-01
## DeveloperKoei	3.054e-01
## DeveloperKoei Tecmo Games	3.286e-01
## DeveloperKoei, Omega Force	3.299e-01
## DeveloperKoei/Inis	3.516e-01
## DeveloperKojima Productions	3.116e-01
## DeveloperKonami	3.014e-01
## DeveloperKonami Computer Entertainment Hawaii	3.193e-01
## DeveloperKrome Studios	3.003e-01
## DeveloperKrome Studios, Screenlife Games	3.520e-01

## DeveloperKronos Digital Entertainment	3.537e-01
## DeveloperKuju Entertainment	3.099e-01
## DeveloperKung Fu Factory	3.544e-01
## DeveloperKunos Simulazioni	3.547e-01
## DeveloperKush Games	3.094e-01
## DeveloperKush Games, Visual Concepts	3.505e-01
## DeveloperKuusou Kagaku	NA
## DeveloperKylotonn	NA
## DeveloperLarian Studios	3.990e-01
## DeveloperLDW, Big Fish Games	3.786e-01
## DeveloperLeft Field Productions	3.256e-01
## DeveloperLegacy Interactive	NA
## DeveloperLevel 5	3.044e-01
## DeveloperLevel 5, Brownie Brown	3.533e-01
## DeveloperLight Weight	3.215e-01
## DeveloperLionhead Studios	3.094e-01
## DeveloperLiquid Dragon Studios	NA
## DeveloperLiquid Entertainment	3.510e-01
## DeveloperLocomotive Games	3.258e-01
## DeveloperLongtail Studios	3.530e-01
## DeveloperLucas Learning	3.536e-01
## DeveloperLucasArts	3.033e-01
## DeveloperLucasArts, Krome Studios	3.277e-01
## DeveloperLucky Chicken	3.697e-01
## DeveloperLuxoflux, Inc.	3.089e-01
## DeveloperM2	3.535e-01
## DeveloperMachatin, Inc.	3.554e-01
## DeveloperMachineGames	3.270e-01
## DeveloperMad Doc Software, Rockstar Vancouver	3.501e-01
## DeveloperMagellan Interactive	NA
## DeveloperMagenta Software	3.522e-01
## DeveloperMagic Pockets	3.125e-01
## DeveloperMajesco Games, Majesco	3.771e-01
## DeveloperMarvelous	3.238e-01
## DeveloperMarvelous AQL	3.272e-01
## DeveloperMarvelous Entertainment	3.228e-01
## DeveloperMarvelous Inc.	3.613e-01
## DeveloperMASA Group	3.529e-01
## DeveloperMass Media	3.123e-01
## DeveloperMatrix Software	3.549e-01
## DeveloperMaximum Games	4.210e-01
## DeveloperMaxis	3.007e-01
## DeveloperMedia Molecule	3.523e-01
## DeveloperMedia Molecule, United Front Games	3.519e-01
## DeveloperMedia Vision	3.096e-01
## DeveloperMediascape, CUBETYPE	3.596e-01
## DeveloperMekensleep	3.549e-01
## DeveloperMelbourne House	3.520e-01
## DeveloperMercury Steam	3.276e-01
## DeveloperMetanet Software Inc., SilverBirch Studios	3.264e-01
## DeveloperMetro	3.604e-01
## DeveloperMetro Graphics	3.516e-01
## DeveloperMetro3D	3.678e-01
## DeveloperMicro Cabin	3.296e-01

## DeveloperMicroids	NA
## DeveloperMicrosoft Game Studios	3.082e-01
## DeveloperMicrovision	3.271e-01
## DeveloperMidway	3.023e-01
## DeveloperMidway Studios - Austin	3.190e-01
## DeveloperMidway Studios - Los Angeles	3.280e-01
## DeveloperMidway Studios - San Diego	3.561e-01
## DeveloperMilestone S.r.l	3.519e-01
## DeveloperMilestone, Milestone S.r.l	3.263e-01
## DeveloperMindware Studios	4.622e-01
## DeveloperMistic Software	3.530e-01
## DeveloperMistwalker, Artoon	3.521e-01
## DeveloperMitchell	3.538e-01
## DeveloperMix Max	3.331e-01
## DeveloperMobius Entertainment	3.511e-01
## DeveloperMonkey Bar Games	4.424e-01
## DeveloperMonolith Productions	3.038e-01
## DeveloperMonolith Soft	3.173e-01
## DeveloperMonolith Soft, Banpresto	3.532e-01
## DeveloperMonolith Soft, Namco Bandai Games	3.583e-01
## DeveloperMonster Games Inc.	3.123e-01
## DeveloperMonte Cristo Multimedia	4.210e-01
## DeveloperMonumental Games	3.523e-01
## DeveloperMoss	NA
## DeveloperMTO	3.532e-01
## DeveloperMucky Foot Productions	3.256e-01
## Developern-Space	3.123e-01
## DeveloperNadeo	3.261e-01
## DeveloperNamco	2.994e-01
## DeveloperNamco Bandai Games	3.096e-01
## DeveloperNamco Bandai Games America	3.521e-01
## DeveloperNamco Bandai Games America, Namco Bandai Games	3.161e-01
## DeveloperNamco Bandai Games, Cellius	3.522e-01
## DeveloperNamco Bandai Games, Monkey Bar Games	3.176e-01
## DeveloperNanaOn-Sha	3.528e-01
## DeveloperNaps Team	NA
## DeveloperNatsume	3.094e-01
## DeveloperNaughty Dog	3.083e-01
## DeveloperNaughty Dog, Sony Bend	3.517e-01
## DeveloperNautilus	3.369e-01
## DeveloperNd Cube	3.536e-01
## DeveloperNeko Entertainment	3.530e-01
## DeveloperNeon Studios, Kaiko	3.464e-01
## DeveloperNerve Software	3.250e-01
## DeveloperNetherock Ltd.	3.520e-01
## DeveloperNetherRealm Studios	3.112e-01
## DeveloperNeverland	3.526e-01
## DeveloperNeversoft Entertainment	3.001e-01
## DeveloperNew	3.608e-01
## DeveloperNex Entertainment	3.117e-01
## DeveloperNext Level Games	3.054e-01
## DeveloperNightlight Studios	3.519e-01
## DeveloperNihilistic	3.153e-01
## DeveloperNikitova Games	3.620e-01

## DeveloperNinja Studio	2.280e-01
## DeveloperNinja Theory	3.164e-01
## DeveloperNintendo	3.004e-01
## DeveloperNintendo EAD Tokyo	3.548e-01
## DeveloperNintendo, Camelot Software Planning	3.536e-01
## DeveloperNintendo, Headstrong Games	3.528e-01
## DeveloperNintendo, Namco Bandai Games	3.528e-01
## DeveloperNintendo, Nd Cube	3.139e-01
## DeveloperNippon Ichi Software	3.094e-01
## DeveloperNitro Games	3.869e-01
## DeveloperNitro+	3.624e-01
## DeveloperNixxes Software	3.171e-01
## DeveloperNoise Factory	3.639e-01
## DeveloperNoise Inc.	3.531e-01
## DeveloperNordic Games Publishing	3.461e-01
## DeveloperNovarama	3.173e-01
## DeveloperNow Production	3.272e-01
## DeveloperNtreev Soft	NA
## DeveloperNuevo Retro Games	3.564e-01
## DeveloperNuFX	3.515e-01
## DeveloperNumber None Inc., Knockout Games	NA
## DeveloperObsidian Entertainment	3.114e-01
## DeveloperOddworld Inhabitants	3.255e-01
## Developerodenis studio	3.894e-01
## DeveloperOffice Create	3.548e-01
## DeveloperOmega Force	3.010e-01
## DeveloperOmega Force, Koei Canada	3.544e-01
## DeveloperOmega Force, Koei Tecmo Games	3.537e-01
## DeveloperOmiya Soft, Jamsworks	3.520e-01
## DeveloperOpus	3.286e-01
## DeveloperOpus Studio	3.797e-01
## DeveloperOpus, Project Sora	3.527e-01
## DeveloperOrbital Media, Inc.	3.301e-01
## DeveloperOsiris Studios	3.636e-01
## DeveloperOutrage Games	3.510e-01
## DeveloperOverkill Software	3.278e-01
## DeveloperOverworks	3.282e-01
## DeveloperPacific Coast Power & Light	3.170e-01
## DeveloperPage 44 Studios	3.261e-01
## DeveloperPam Development	3.245e-01
## DeveloperPandemic Studios	3.032e-01
## DeveloperPaon Corporation	3.273e-01
## DeveloperPapaya Studios	3.155e-01
## DeveloperParadigm Entertainment	3.090e-01
## DeveloperParadox Development	3.101e-01
## DeveloperParadox Development Studio	3.866e-01
## DeveloperParadox Interactive	NA
## DeveloperPeople Can Fly	4.428e-01
## DeveloperPetroglyph	3.539e-01
## DeveloperPhosphor Games Studio, LLC	3.528e-01
## DeveloperPipe Dream Interactive	3.580e-01
## DeveloperPipeworks Software, Inc.	3.089e-01
## DeveloperPiranha Bytes	3.136e-01
## DeveloperPiranha Games	3.520e-01

## DeveloperPitbull Syndicate	3.519e-01
## DeveloperPivotal Games	3.269e-01
## DeveloperPlanet Moon Studios	3.117e-01
## DeveloperPlatinum Egg	4.187e-01
## DeveloperPlatinumGames	3.039e-01
## DeveloperPlayground Games	3.531e-01
## DeveloperPLAYGROUND, Playground Games	3.520e-01
## DeveloperPlaystos Entertainment	4.172e-01
## DeveloperPocket Studios	3.703e-01
## DeveloperPocketeers	3.286e-01
## DeveloperPoint of View	3.088e-01
## DeveloperPolygon Magic	3.528e-01
## DeveloperPolyphony Digital	3.146e-01
## DeveloperPopCap	3.117e-01
## DeveloperPopTop Software	3.787e-01
## DeveloperProject Aces	3.166e-01
## DeveloperProject Soul	3.261e-01
## DeveloperProkion	3.532e-01
## DeveloperPropaganda Games	3.270e-01
## DeveloperPrope	3.264e-01
## DeveloperPrope, Kadokawa	3.602e-01
## DeveloperPseudo Interactive	3.518e-01
## DeveloperPsygnosis	4.215e-01
## DeveloperPsyponix	3.287e-01
## DeveloperPterodon	3.778e-01
## DeveloperPuzzleKings	3.632e-01
## DeveloperPyramid	3.523e-01
## DeveloperPyro Studios	3.120e-01
## DeveloperQ-Games	3.533e-01
## DeveloperQ Entertainment	3.086e-01
## DeveloperQuantic Dream	3.525e-01
## DeveloperQuest	3.534e-01
## DeveloperRacjin	3.268e-01
## DeveloperRadical Entertainment	2.997e-01
## DeveloperRage Software	NA
## DeveloperRainbow Studios	3.027e-01
## DeveloperRare Ltd.	3.120e-01
## DeveloperRare Ltd., BigPark	3.519e-01
## DeveloperRaster	3.510e-01
## DeveloperRatbag	3.289e-01
## DeveloperRaven Software	3.070e-01
## DeveloperRaylight Studios	4.096e-01
## DeveloperRazorworks Studios	3.603e-01
## DeveloperReady at Dawn	3.267e-01
## DeveloperRealism Ltd	3.543e-01
## DeveloperReality Pump	3.296e-01
## DeveloperRealtime Worlds	3.515e-01
## DeveloperRebellion	3.026e-01
## DeveloperRED Entertainment	3.531e-01
## DeveloperRED Entertainment, Artdink	3.529e-01
## DeveloperRed Fly Studio	3.126e-01
## DeveloperRed Storm Entertainment	3.166e-01
## DeveloperRed Storm Entertainment, Ubisoft Montreal	3.258e-01
## DeveloperRed Tribe	3.532e-01

## DeveloperRed Zone Entertainment	3.524e-01
## DeveloperRedLynx	3.251e-01
## DeveloperReflections Interactive	3.521e-01
## DeveloperRelated Designs	3.550e-01
## DeveloperRelic	3.056e-01
## DeveloperReloaded Productions, Reloaded Games Inc.	2.652e-01
## DeveloperRemedy Entertainment	3.086e-01
## DeveloperRenegade Kid	3.591e-01
## DeveloperRespawn Entertainment	3.164e-01
## DeveloperRetro Studios	3.130e-01
## DeveloperRFX Interactive	3.621e-01
## DeveloperRitual Entertainment, Avalanche Software	3.275e-01
## DeveloperRobomodo	3.174e-01
## DeveloperRockstar Leeds	3.080e-01
## DeveloperRockstar London	3.503e-01
## DeveloperRockstar North	3.039e-01
## DeveloperRockstar San Diego	3.014e-01
## DeveloperRockstar Studios	3.241e-01
## DeveloperRockstar Toronto	3.113e-01
## DeveloperRockstar Toronto, Rockstar Leeds	3.504e-01
## DeveloperRocksteady Studios	3.036e-01
## DeveloperRocksteady Studios, Iron Galaxy Studios	3.499e-01
## DeveloperRonin Entertainment	3.648e-01
## DeveloperRuntime	NA
## DeveloperRyu ga Gotoku Studios	3.252e-01
## DeveloperS-Neo	NA
## DeveloperSabertooth Games	3.519e-01
## DeveloperSaffire	3.255e-01
## DeveloperSand Grain Studios	3.259e-01
## DeveloperSandlot	3.184e-01
## DeveloperSanta Cruz Games	3.262e-01
## DeveloperSanta Entertainment	NA
## DeveloperSanzaru Games	3.163e-01
## DeveloperSanzaru Games, Sanzaru Games, Inc.	3.518e-01
## DeveloperSCE Japan Studio	3.044e-01
## DeveloperSCE Japan Studio, comcept	3.523e-01
## DeveloperSCE Santa Monica	3.178e-01
## DeveloperSCE Studio Cambridge	3.519e-01
## DeveloperSCE/WWS, Media Molecule	3.270e-01
## DeveloperSCEA	3.058e-01
## DeveloperSCEA San Diego Studios	3.027e-01
## DeveloperSCEA Sports Studio	3.525e-01
## DeveloperSCEA, Sims	3.526e-01
## DeveloperSCEE	3.106e-01
## DeveloperSCEE London Studio	3.069e-01
## DeveloperSCEI	3.167e-01
## DeveloperSCEJ	3.268e-01
## DeveloperSCi	4.205e-01
## DeveloperScreenlife Games, WXP	3.521e-01
## DeveloperSecret Level	3.113e-01
## DeveloperSecret Stash Games	3.532e-01
## DeveloperSega	3.008e-01
## DeveloperSega AM2	3.082e-01
## DeveloperSega AM3	3.511e-01

## DeveloperSega Studios San Francisco	3.509e-01
## DeveloperSega, Dimps Corporation	3.523e-01
## DeveloperSega, Sonic Team	3.509e-01
## DeveloperSensory Sweep	NA
## DeveloperSeta Corporation	3.790e-01
## DeveloperSeven45 Studios	3.585e-01
## DeveloperShaba Games	3.047e-01
## DeveloperShade	3.519e-01
## DeveloperShift	3.265e-01
## DeveloperShin'en	3.786e-01
## DeveloperShiny Entertainment	3.160e-01
## DeveloperSidhe Interactive	3.207e-01
## DeveloperSilicon Knights	3.122e-01
## DeveloperSilicon Studio	3.593e-01
## DeveloperSimBin	3.171e-01
## DeveloperSimon & Schuster	3.700e-01
## DeveloperSkyRiver Studios	3.619e-01
## DeveloperSlant Six	3.164e-01
## DeveloperSledgehammer Games	3.507e-01
## DeveloperSlightly Mad Studios	NA
## DeveloperSmart Bomb Interactive	3.520e-01
## DeveloperSmilebit	3.276e-01
## DeveloperSnap Dragon Games	NA
## DeveloperSNK	3.632e-01
## DeveloperSNK Playmore	3.145e-01
## DeveloperSnowblind Studios	3.206e-01
## DeveloperSonic Team	3.011e-01
## DeveloperSonnori	3.524e-01
## DeveloperSony Bend	3.174e-01
## DeveloperSony Interactive Entertainment	3.269e-01
## DeveloperSony Online Entertainment	4.147e-01
## DeveloperSpark Unlimited	3.090e-01
## DeveloperSpellbound	3.569e-01
## DeveloperSpicy Horse	3.266e-01
## DeveloperSpiders	4.213e-01
## DeveloperSpidersoft, Spiders	4.205e-01
## DeveloperSpike	3.059e-01
## DeveloperSpike Chunsoft	3.094e-01
## DeveloperSpike Chunsoft Co. Ltd., Spike Chunsoft	3.533e-01
## DeveloperSpike Chunsoft, Chime	2.671e-01
## DeveloperSpike, Namco Bandai Games	3.274e-01
## DeveloperSplash Damage	3.355e-01
## DeveloperSplash Damage, The Coalition	3.527e-01
## DeveloperSports Interactive	3.070e-01
## DeveloperSquare Enix	3.015e-01
## DeveloperSquare Enix, Tri-Ace	3.526e-01
## DeveloperSquareSoft	3.517e-01
## DeveloperSScholastic Media	NA
## DeveloperStainless Games	3.522e-01
## DeveloperStarbreeze	3.107e-01
## DeveloperStarsphere Interactive	3.608e-01
## DeveloperStill Alive Studios	NA
## DeveloperSting	3.207e-01
## DeveloperStormfront Studios	3.112e-01

## DeveloperStormregion	3.268e-01
## DeveloperStrangelite	3.596e-01
## DeveloperStudio Gigante	3.517e-01
## DeveloperStudio Liverpool	3.179e-01
## DeveloperStudio Saizensen	NA
## DeveloperSubterranean Games	3.581e-01
## DeveloperSuccess	NA
## DeveloperSucker Punch	3.081e-01
## DeveloperSumo Digital	3.026e-01
## DeveloperSun-Tec	3.531e-01
## DeveloperSunrise Interactive	3.525e-01
## DeveloperSunSoft	3.534e-01
## DeveloperSuper Empire	3.532e-01
## DeveloperSuperBot Entertainment	3.519e-01
## DeveloperSuperMassive Games	3.301e-01
## DeveloperSuperVillain Studios	3.510e-01
## DeveloperSurreal Software	3.280e-01
## DeveloperSuzak	3.209e-01
## DeveloperSwingin' Ape	3.260e-01
## DeveloperSwordfish Studios	3.506e-01
## Developersyn Sophia	3.534e-01
## DeveloperSynetic	3.703e-01
## DeveloperTaito Corporation	3.065e-01
## DeveloperTaito Corporation, 505 Games	4.061e-01
## DeveloperTakara	3.334e-01
## DeveloperTakara Tomy	3.527e-01
## DeveloperTake-Two Interactive	3.251e-01
## DeveloperTamsoft	3.156e-01
## DeveloperTango Gameworks	3.358e-01
## DeveloperTaniko	3.525e-01
## DeveloperTantalus Interactive	3.539e-01
## DeveloperTate Interactive	3.805e-01
## DeveloperTeam 17	3.124e-01
## DeveloperTeam 17, Two Tribes	3.522e-01
## DeveloperTeam Bondi	3.513e-01
## DeveloperTeam Fusion	3.169e-01
## DeveloperTeam Ninja	3.029e-01
## DeveloperTechland	3.032e-01
## DeveloperTecmo	3.073e-01
## DeveloperTecmo Koei Canada	3.543e-01
## DeveloperTelenet	3.533e-01
## DeveloperTelltale Games	3.529e-01
## DeveloperTenky	3.549e-01
## DeveloperTerminal Reality	3.035e-01
## DeveloperTetris Online, Inc	3.543e-01
## DeveloperTeyon	3.581e-01
## DeveloperThatGameCompany	3.622e-01
## DeveloperThe Behemoth	NA
## DeveloperThe Fun Pimps Entertainment LLC	2.313e-01
## DeveloperThe Game Factory	4.206e-01
## DeveloperThe Sims Studio	3.125e-01
## DeveloperThe Workshop	3.520e-01
## DeveloperTHQ	3.048e-01
## DeveloperTHQ Digital Studio Phoenix	3.512e-01

## DeveloperTHQ, 1C, 1C Company	NA
## DeveloperTHQ, Yuke's	3.506e-01
## DeveloperTilted Mill	3.517e-01
## DeveloperTimeGate Studios	3.333e-01
## DeveloperTitus Software	3.801e-01
## DeveloperToka	4.094e-01
## DeveloperTop Heavy Studios	3.787e-01
## DeveloperTorus Games	4.148e-01
## DeveloperTOSE	3.036e-01
## DeveloperTose Software	3.527e-01
## DeveloperTouchdown Entertainment	NA
## DeveloperTOYBOX	NA
## DeveloperToys for Bob	3.092e-01
## DeveloperTranji	3.521e-01
## DeveloperTransmission Games	3.519e-01
## DeveloperTraveller's Tales	2.991e-01
## DeveloperTreasure	3.112e-01
## DeveloperTreyarch	2.999e-01
## DeveloperTreyarch, Shaba Games	3.509e-01
## DeveloperTreyarch, Sledgehammer Games	3.518e-01
## DeveloperTri-Ace	3.082e-01
## DeveloperTri-Crescendo	3.176e-01
## DeveloperTrickstar Games	3.550e-01
## DeveloperTrion Worlds	3.578e-01
## DeveloperTripwire Interactive	NA
## DeveloperTriumph Studios	3.327e-01
## DeveloperTT Fusion	3.060e-01
## DeveloperTT Games	2.988e-01
## DeveloperTurn 10	3.177e-01
## DeveloperTurtle Rock Studios	3.499e-01
## DeveloperTwisted Pixel Games	3.516e-01
## DeveloperUbisoft	2.993e-01
## DeveloperUbisoft Barcelona	3.530e-01
## DeveloperUbisoft Bulgaria	3.525e-01
## DeveloperUbisoft Casablanca	3.529e-01
## DeveloperUbisoft Milan	3.518e-01
## DeveloperUbisoft Montpellier	3.097e-01
## DeveloperUbisoft Montreal	2.990e-01
## DeveloperUbisoft Paris	3.066e-01
## DeveloperUbisoft Quebec	3.095e-01
## DeveloperUbisoft Reflections, Ivory Tower	3.524e-01
## DeveloperUbisoft Romania	3.077e-01
## DeveloperUbisoft Shanghai	3.028e-01
## DeveloperUbisoft Toronto	3.512e-01
## DeveloperUbisoft Vancouver	3.520e-01
## DeveloperUbisoft, FunHouse	3.529e-01
## DeveloperUbisoft, Ubisoft Montreal	3.170e-01
## DeveloperUBlart Montpellier	3.123e-01
## DeveloperUDS	4.200e-01
## DeveloperUGA	NA
## DeveloperUnigine Corp, Russia	NA
## DeveloperUnited Front Games	3.258e-01
## DeveloperValhalla Game Studios	3.537e-01
## DeveloperValuewave Co.,Ltd.	3.179e-01

## DeveloperValve Software	3.042e-01
## DeveloperVanguard	3.619e-01
## DeveloperVanilla Ware	3.267e-01
## DeveloperVanillaware	3.218e-01
## DeveloperVenan Entertainment, Cashmere Prod.	3.603e-01
## DeveloperVenom Games	3.153e-01
## DeveloperVicarious Visions	2.993e-01
## DeveloperVicious Cycle	3.084e-01
## DeveloperVictor Interactive Software	3.533e-01
## DeveloperVigil Games	3.128e-01
## DeveloperVirtuos	3.165e-01
## DeveloperVIS Entertainment	3.196e-01
## DeveloperVisceral Games	3.088e-01
## DeveloperVisual Concepts	2.983e-01
## DeveloperVisual Impact	3.265e-01
## DeveloperVisual Sciences	3.517e-01
## DeveloperVivarium	3.623e-01
## DeveloperVivendi Games	3.529e-01
## DeveloperVogster	3.554e-01
## DeveloperVolatile Games	3.257e-01
## DeveloperVolition Inc.	3.020e-01
## DeveloperVSTEP	4.084e-01
## DeveloperWargaming.net	3.535e-01
## DeveloperWarner Bros. Interactive Entertainment	3.505e-01
## DeveloperWarner Bros. Interactive Entertainment, NetherRealm Studios	3.513e-01
## DeveloperWarthog	3.079e-01
## DeveloperWayForward	3.038e-01
## DeveloperWBIE	4.151e-01
## DeveloperWebfoot Technologies	3.188e-01
## DeveloperWicked Witch Software	NA
## DeveloperWideload Games Inc.	3.218e-01
## DeveloperWideScreen Games	3.513e-01
## DeveloperWinkySoft	3.551e-01
## DeveloperWizardbox	NA
## DeveloperWow Entertainment	3.113e-01
## DeveloperWXP	3.635e-01
## DeveloperXpec	3.137e-01
## DeveloperYacht Club Games	NA
## DeveloperYager	3.102e-01
## DeveloperYuke's	2.993e-01
## DeveloperZ-Axis, Ltd.	3.126e-01
## DeveloperZed Two Limited	3.757e-01
## DeveloperZen Studios	3.519e-01
## DeveloperZener Works	3.525e-01
## DeveloperZeniMax Media	3.705e-01
## DeveloperZerodiv	3.396e-01
## DeveloperZipper Interactive	3.078e-01
## DeveloperZoe Mode	3.103e-01
## DeveloperZombie Studios	3.188e-01
## DeveloperZoom	3.526e-01
## DeveloperZootFly	3.289e-01
## sqrtEU_Sales	2.095e-02
## invJP_Sales	3.965e-05
## sqrtOther_Sales	3.756e-02

## Year_of_Release	2.069e-03
##	t value
## (Intercept)	4.804
## GenreAdventure	-0.109
## GenreFighting	0.820
## GenreMisc	1.341
## GenrePlatform	1.766
## GenrePuzzle	-2.446
## GenreRacing	-1.102
## GenreRole-Playing	-0.056
## GenreShooter	0.733
## GenreSimulation	-0.085
## GenreSports	-0.217
## GenreStrategy	-2.673
## sqUser_Score	3.646
## sqCritic_Score	-2.681
## PlatformDC	-3.276
## PlatformDS	0.318
## PlatformGBA	0.593
## PlatformGC	1.676
## PlatformPC	-5.614
## PlatformPS	0.702
## PlatformPS2	-2.159
## PlatformPS3	-2.515
## PlatformPS4	-4.610
## PlatformPSP	-2.490
## PlatformPSV	-4.096
## PlatformWii	2.287
## PlatformWiiU	-1.381
## PlatformX360	2.907
## PlatformXB	1.274
## PlatformXOne	1.499
## Publisher2D Boy	-0.696
## Publisher3DO	-0.935
## Publisher505 Games	-0.626
## Publisher5pb	-0.722
## PublisherAcclaim Entertainment	-0.746
## PublisherAcquire	-0.398
## PublisherActivision	-0.572
## PublisherActivision Blizzard	-0.690
## PublisherActivision Value	-0.585
## PublisherAgatsuma Entertainment	-0.417
## PublisherAgetec	-0.817
## PublisherAksys Games	-0.176
## PublisherAlternative Software	-0.442
## PublisherAqua Plus	-0.005
## PublisherArc System Works	0.202
## PublisherASCII Entertainment	-1.161
## PublisherAspyr	-0.610
## PublisherAstragon	0.112
## PublisherAtari	-0.511
## PublisherAtlus	-0.549
## PublisherAvalon Interactive	-0.614
## PublisherAvanquest	0.029

## PublisherBAM! Entertainment	-0.438
## PublisherBanpresto	-0.666
## PublisherBethesda Softworks	-0.050
## PublisherBigben Interactive	-0.547
## PublisherBlack Bean Games	-0.748
## PublisherBlack Label Games	-0.454
## PublisherBohemia Interactive	-0.278
## PublisherBrash Entertainment	-0.497
## PublisherCapcom	-0.667
## PublisherCCP	-0.700
## PublisherCity Interactive	-0.947
## PublisherCloud Imperium Games Corporation	-1.025
## PublisherCodemasters	-0.688
## PublisherCompile Heart	-0.645
## PublisherCrave Entertainment	-0.861
## PublisherCrimson Cow	-0.276
## PublisherCrytek	-0.184
## PublisherD3Publisher	-0.663
## PublisherDaedalic	-0.892
## PublisherDeep Silver	-0.433
## PublisherDestination Software, Inc	-0.938
## PublisherDestineer	-1.359
## PublisherDevolver Digital	0.036
## PublisherDisney Interactive Studios	-0.546
## PublisherDreamCatcher Interactive	-0.556
## PublisherDTP Entertainment	-0.513
## PublisherDusenberry Martin Racing	0.513
## PublisherEA Games	-0.191
## PublisherEidos Interactive	-0.738
## PublisherElectronic Arts	-0.651
## PublisherEmpire Interactive	-0.658
## PublisherEncore	-0.695
## PublisherEnix Corporation	-1.264
## PublisherEnterbrain	-0.591
## PublisherEvolved Games	-0.785
## PublisherFalcom Corporation	-0.194
## PublisherFlashpoint Games	-0.482
## PublisherFocus Home Interactive	-0.674
## PublisherFrom Software	-0.821
## PublisherFunbox Media	-0.143
## PublisherFuncom	-0.147
## PublisherFuRyu	-0.653
## PublisherGame Factory	0.403
## PublisherGamebridge	-0.689
## PublisherGamecock	-0.336
## PublisherGathering of Developers	-0.600
## PublisherGearbox Software	-0.418
## PublisherGenki	-0.458
## PublisherGhostlight	-0.651
## PublisherGlobal Star	-0.752
## PublisherGotham Games	0.647
## PublisherGroove Games	-0.433
## PublisherGT Interactive	0.259
## PublisherGungHo	-0.121

## PublisherHarmonix Music Systems	-0.502
## PublisherHasbro Interactive	-0.327
## PublisherHello Games	0.051
## PublisherHip Interactive	-0.480
## PublisherHome Entertainment Suppliers	-1.114
## PublisherHudson Entertainment	-0.422
## PublisherHudson Soft	-0.831
## PublisherHuman Entertainment	-0.395
## PublisherIceberg Interactive	0.235
## PublisherIdea Factory	-0.768
## PublisherIdea Factory International	-0.124
## PublisherIgnition Entertainment	-0.935
## PublisherIndie Games	-0.713
## PublisherInfogrames	-0.592
## PublisherInsomniac Games	-0.456
## PublisherInterplay	-0.695
## PublisherIntroversion Software	-0.228
## PublisherJaleco	-0.852
## PublisherJester Interactive	-0.366
## PublisherJoWood Productions	-0.616
## PublisherKadokawa Shoten	-0.892
## PublisherKalypso Media	-0.231
## PublisherKemco	-0.657
## PublisherKoch Media	-0.262
## PublisherKonami Digital Entertainment	-0.762
## PublisherLighthouse Interactive	-0.643
## PublisherLittle Orbit	-1.210
## PublisherLucasArts	-0.366
## PublisherMajesco Entertainment	-0.522
## PublisherMamba Games	0.163
## PublisherMarvelous Entertainment	-0.476
## PublisherMarvelous Interactive	-0.733
## PublisherMastertronic	0.040
## PublisherMastiff	-0.042
## PublisherMC2 Entertainment	-0.565
## PublisherMercury Games	-0.307
## PublisherMetro 3D	-0.778
## PublisherMicroids	-0.664
## PublisherMicrosoft Game Studios	-0.368
## PublisherMidas Interactive Entertainment	-0.710
## PublisherMidway Games	-0.849
## PublisherMilestone S.r.l	-0.450
## PublisherMilestone S.r.l.	-0.463
## PublisherMandscape	-0.237
## PublisherMonte Christo Multimedia	-0.849
## PublisherMoss	-0.558
## PublisherMTV Games	-0.561
## PublisherMud Duck Productions	0.028
## PublisherN/A	0.498
## PublisherNamco Bandai Games	-0.725
## PublisherNatsume	-0.333
## PublisherNavarre Corp	-0.379
## PublisherNCSoft	-0.151
## PublisherNDA Productions	-0.263

## PublisherNewKidCo	-0.774
## PublisherNintendo	-0.368
## PublisherNippon Ichi Software	-0.534
## PublisherNobilis	-0.247
## PublisherNordic Games	-0.996
## PublisherNovaLogic	-0.501
## PublisherNumber None	-0.762
## PublisherO-Games	0.241
## PublisherO3 Entertainment	-0.558
## PublisherParadox Interactive	-0.987
## PublisherPhantagram	-0.853
## PublisherPlay It	-0.598
## PublisherPlaylogic Game Factory	-0.594
## PublisherPopCap Games	-0.386
## PublisherPopcorn Arcade	-0.690
## PublisherPQube	-0.319
## PublisherPsygnosis	-1.085
## PublisherRage Software	-0.372
## PublisherRebellion	-0.661
## PublisherRebellion Developments	-0.428
## PublisherRedOctane	0.410
## PublisherReef Entertainment	0.000
## PublisherRising Star Games	-0.645
## PublisherRussel	-0.095
## PublisherSammy Corporation	-0.646
## PublisherScholastic Inc.	-0.050
## PublisherSCi	-0.397
## PublisherScreenlife	-0.388
## PublisherSega	-0.865
## PublisherSlightly Mad Studios	-0.885
## PublisherSNK	-1.030
## PublisherSold Out	-0.128
## PublisherSony Computer Entertainment	-0.627
## PublisherSony Computer Entertainment America	-0.590
## PublisherSony Computer Entertainment Europe	-0.565
## PublisherSony Online Entertainment	-0.761
## PublisherSouthPeak Games	-0.186
## PublisherSpike	-0.204
## PublisherSquare Enix	-0.703
## PublisherSquare Enix	-0.610
## PublisherSquareSoft	-1.626
## PublisherSting	-0.635
## PublisherSuccess	-0.429
## PublisherSwing! Entertainment	-0.321
## PublisherSystem 3 Arcade Software	-0.631
## PublisherTaito	-1.011
## PublisherTakara Tomy	-0.002
## PublisherTake-Two Interactive	-0.466
## PublisherTDK Mediactive	-0.997
## PublisherTecmo Koei	-0.587
## PublisherTelltale Games	-1.068
## PublisherTHQ	-0.612
## PublisherTitus	-0.663
## PublisherTouchstone	-1.031

## PublisherTripwire Interactive	-0.209
## PublisherTru Blu Entertainment	-0.448
## PublisherUbisoft	-0.665
## PublisherUbisoft Annecy	-0.734
## PublisherUniversal Interactive	-0.511
## PublisherUnknown	-0.193
## PublisherValve Software	-0.573
## PublisherVirgin Interactive	-0.949
## PublisherVivendi Games	-0.549
## PublisherWanadoo	-0.569
## PublisherWargaming.net	-1.556
## PublisherWarner Bros. Interactive Entertainment	-0.490
## PublisherWhite Park Bay Software	0.197
## PublisherXplosiv	-0.603
## PublisherXS Games	-0.729
## PublisherXseed Games	-0.273
## PublisherYacht Club Games	-0.704
## PublisherZoo Digital Publishing	-0.573
## PublisherZoo Games	-0.378
## PublisherZushi Games	-0.130
## Developer1C, 1C Company	0.116
## Developer1C, Ino-Co, 1C Company	1.143
## Developer1C: Maddox Games	-0.136
## Developer1C:Ino-Co	1.446
## Developer2015	0.371
## Developer2D Boy	NA
## Developer2K Australia	0.479
## Developer2K Czech	0.094
## Developer2K Games	-0.165
## Developer2K Marin	0.177
## Developer2K Sports	0.294
## Developer2XL Games	0.494
## Developer343 Industries	2.918
## Developer3d6 Games	0.415
## Developer3DO	0.596
## Developer49Games	-0.105
## Developer4A Games	-0.114
## Developer4J Studios	0.022
## Developer5pb	0.510
## Developer5TH Cell	1.072
## Developer7 Studios	0.507
## Developer8ing/Raizing	0.579
## Developer989 Sports	0.705
## DeveloperAccess Games	0.675
## DeveloperAcclaim	0.546
## DeveloperAcclaim Studios Austin	0.459
## DeveloperAcclaim Studios Cheltenham	0.650
## DeveloperAcquire	0.323
## DeveloperActivision	0.646
## DeveloperAdrenium	0.453
## DeveloperAI	0.877
## DeveloperAirtight Games	0.551
## DeveloperAkella	0.482
## DeveloperAki Corp.	0.631

## DeveloperAlfa System	0.239
## DeveloperAlphadream Corporation	0.437
## DeveloperAmanita Design	-0.283
## DeveloperAmaze	0.303
## DeveloperAmaze Entertainment	0.743
## DeveloperAmbrella	0.194
## DeveloperAmbrella, The Pokemon Company	-0.185
## DeveloperAmusement Vision	0.363
## DeveloperAmuze	0.506
## DeveloperAnchor	0.749
## DeveloperAngel Studios	0.770
## DeveloperAnimation Arts	-0.300
## DeveloperAppaloosa Interactive	0.362
## DeveloperAQ Interactive	0.262
## DeveloperArc System Works	-0.015
## DeveloperArenaNet	NA
## DeveloperArgonaut Games	0.401
## DeveloperArika	0.385
## DeveloperArkane Studios	-0.159
## DeveloperArkedo Studio	0.254
## DeveloperArmature Studio	0.423
## DeveloperArt	0.439
## DeveloperArtefacts Studio	0.746
## DeveloperArtePiazza	0.271
## DeveloperArtificial Mind and Movement	0.489
## DeveloperArtificial Mind and Movement, EA Redwood Shores	0.644
## DeveloperArtificial Studios, Immersion Software & Graphics	-0.139
## DeveloperArtoon	0.545
## DeveloperArzest	0.312
## DeveloperAscaron Entertainment GmbH, Ascaron Entertainment	0.056
## DeveloperAsobo Studio	0.251
## DeveloperAspect	0.967
## DeveloperAspyr	0.665
## DeveloperAtari	0.425
## DeveloperAtari, Slightly Mad Studios, Atari SA	0.249
## DeveloperAtlas	0.321
## DeveloperAtlas Co.	0.193
## DeveloperAtomic Games	1.589
## DeveloperAtomic Motion	0.390
## DeveloperAtomic Planet Entertainment	0.459
## DeveloperAttention To Detail	0.288
## DeveloperAutumn Moon	NA
## DeveloperAvalanche Software	0.397
## DeveloperAvalanche Studios	0.054
## DeveloperAvalon Style	0.000
## DeveloperAWE Games	0.592
## DeveloperAwesome Play Ltd.	-0.807
## DeveloperAwesome Studios	0.410
## DeveloperBabylon Software	0.161
## DeveloperBackbone Entertainment	0.744
## DeveloperBam Entertainment	0.154
## DeveloperBandai	0.517
## DeveloperBandai Namco Games	0.614
## DeveloperBandai Namco Games, Artdink	0.839

## DeveloperBanpresto, SoftMax	-0.232
## DeveloperBarnhouse Effect	0.512
## DeveloperBattlefront.com, 1C, 1C Company	0.320
## DeveloperBec	0.504
## DeveloperBeenox	0.408
## DeveloperBehaviour Interactive	0.413
## DeveloperBeluga Computer	0.093
## DeveloperBest Way	0.465
## DeveloperBethesda Game Studios	-0.014
## DeveloperBethesda Softworks	-0.718
## DeveloperBeyond Games	0.485
## DeveloperBig Ant Studios	NA
## DeveloperBig Blue Box	1.874
## DeveloperBig Blue Bubble Inc.	0.660
## DeveloperBig Huge Games	0.309
## DeveloperBig Red Software	0.794
## DeveloperBig Sky Software	0.202
## DeveloperBigbig Studios	-0.300
## DeveloperBionic Games	0.330
## DeveloperBioWare	0.539
## DeveloperBioWare, Demiurge Studios	-1.077
## DeveloperBits Studios	0.130
## DeveloperBizarre Creations	0.240
## DeveloperBlack Box	0.318
## DeveloperBlack Hole Games	0.354
## DeveloperBlack Isle Studios	0.410
## DeveloperBlack Lantern Studios	0.046
## DeveloperBlack Ops Entertainment	0.148
## DeveloperBlack Rock Studio	0.354
## DeveloperBlack Sea Studios	1.066
## DeveloperBlack Ship Games	-0.122
## DeveloperBlade Interactive	0.560
## DeveloperBlitz Games	0.527
## DeveloperBlitz Games Studios	0.651
## DeveloperBlizzard Entertainment	0.586
## DeveloperBlizzard North	2.790
## DeveloperBlue Byte	1.003
## DeveloperBlue Byte, Related Designs	-0.653
## DeveloperBlue Castle Games	0.586
## DeveloperBlue Omega	0.427
## DeveloperBlue Shift	0.451
## DeveloperBlue Tongue	0.336
## DeveloperBlue Tongue Entertainment	0.418
## DeveloperBlueprint Games	0.793
## DeveloperBlueshift	0.437
## DeveloperBohemia Interactive	-0.219
## DeveloperBongfish	0.130
## DeveloperBoston Animation	0.361
## DeveloperBottleRocket Entertainment	0.371
## DeveloperBrain Toys	0.327
## DeveloperBrainbox Games	NA
## DeveloperBrash Entertainment	0.653
## DeveloperBudCat	-0.036
## DeveloperBugbear	0.247

## DeveloperBullets	0.291
## DeveloperBungie	1.852
## DeveloperBungie Software	0.597
## DeveloperBungie Software, Bungie	1.965
## DeveloperBuzz Monkey	-0.222
## DeveloperBuzz Monkey, EA Montreal	0.217
## DeveloperCamelot Software Planning	0.657
## DeveloperCamouflaj, LLC	0.400
## DeveloperCapcom	0.522
## DeveloperCapcom Vancouver	0.620
## DeveloperCapcom, Pipeworks Software, Inc.	0.858
## DeveloperCAProduction	0.170
## DeveloperCareer Soft	0.444
## DeveloperCat Daddy Games	1.015
## DeveloperCattle Call	0.314
## DeveloperCauldron Ltd.	0.241
## DeveloperCavia Inc.	0.591
## DeveloperCCP	NA
## DeveloperCD Projekt Red Studio	0.808
## DeveloperChunSoft	1.742
## DeveloperCing	0.231
## DeveloperCity Interactive	NA
## DeveloperCity Interactive, Deck 13	0.508
## DeveloperClap Hanz	0.448
## DeveloperClimax Entertainment	1.260
## DeveloperClimax Group	0.639
## DeveloperClimax Group, Climax Studios	0.164
## DeveloperClimax Studios	0.481
## DeveloperClover Studio	0.412
## DeveloperCodemasters	-0.118
## DeveloperCodemasters Birmingham	-0.701
## DeveloperCollision Studios	-0.082
## DeveloperColossal Order	0.610
## DeveloperCompile Heart	0.351
## DeveloperCompulsion Games	0.610
## DeveloperComputer Artworks	0.192
## DeveloperContraband Entertainment	0.221
## DeveloperCooking Mama Limited	0.978
## DeveloperCore Design Ltd.	0.851
## DeveloperCoresoft	1.281
## DeveloperCoyote Developments	0.105
## DeveloperCranky Pants Games	0.291
## DeveloperCrave	0.723
## DeveloperCrawfish Interactive	0.354
## DeveloperCreat Studios	0.708
## DeveloperCreative Assembly	0.447
## DeveloperCreatures Inc.	0.725
## DeveloperCrispy's	0.174
## DeveloperCriterion Games	0.655
## DeveloperCroteam	-0.100
## DeveloperCryptic Studios	0.409
## DeveloperCrystal Dynamics	0.224
## DeveloperCrystal Dynamics, Nixxes Software	0.105
## DeveloperCrytek	0.486

## DeveloperCunning Developments	0.241
## DeveloperCyan Worlds	0.239
## DeveloperCyanide	0.692
## DeveloperCyanide, Cyanide Studios	0.611
## DeveloperCyberConnect2	0.525
## DeveloperCyberConnect2, Racjin	0.513
## DeveloperCyberlore Studios	0.500
## DeveloperDaedalic Entertainment	NA
## DeveloperDarkworks	0.413
## DeveloperData Design Interactive	0.354
## DeveloperDavid A. Palmer Productions	0.822
## DeveloperDay 1 Studios	0.160
## DeveloperDC Studios	0.361
## DeveloperDeadline Games	0.169
## DeveloperDeck 13	0.565
## DeveloperDeep Red	0.519
## DeveloperDeep Silver	0.443
## DeveloperDeep Silver Dambuster Studios	0.768
## DeveloperDeep Silver, Sproing Interactive Media, Sproing	-0.157
## DeveloperDeibus Studios	0.356
## DeveloperDelphine Software International	0.569
## DeveloperDestination Software	NA
## DeveloperDestineer	0.191
## DeveloperDigital Eclipse	0.838
## DeveloperDigital Embryo	0.634
## DeveloperDigital Extremes	0.364
## DeveloperDigital Extremes, 2K Marin	0.152
## DeveloperDigital Illusions	0.603
## DeveloperDimps Corporation	0.925
## DeveloperDimps Corporation, Namco Bandai Games	-0.172
## DeveloperDimps Corporation, Sonic Team	0.433
## DeveloperDisney Interactive	0.066
## DeveloperDisney Interactive Studios	0.308
## DeveloperDMA Design	1.916
## DeveloperDONTNOD Entertainment	0.423
## DeveloperDouble Fine Productions	0.603
## DeveloperDouble Helix Games	0.594
## DeveloperDreamcatcher	0.476
## DeveloperDreamFactory	0.314
## DeveloperDreamworks Games	0.767
## DeveloperDreamworks Interactive	0.647
## DeveloperDTP Entertainment	0.386
## DeveloperDusenberry Martin Racing	NA
## DeveloperEA Black Box	0.629
## DeveloperEA Bright Light	0.468
## DeveloperEA Canada	0.586
## DeveloperEA Canada, EA Vancouver	0.912
## DeveloperEA Chicago	0.416
## DeveloperEA DICE	0.474
## DeveloperEA Games	0.515
## DeveloperEA Japan Studio	-0.259
## DeveloperEA LA	0.750
## DeveloperEA Montreal	0.834
## DeveloperEA Phenomic	0.693

## DeveloperEA Redwood Shores	0.086
## DeveloperEA Redwood Shores, EA Salt Lake	1.363
## DeveloperEA Salt Lake	1.394
## DeveloperEA Seattle	1.450
## DeveloperEA Sports	0.652
## DeveloperEA Sports Big	0.472
## DeveloperEA Sports, EA Vancouver	-0.175
## DeveloperEA Tiburon	1.619
## DeveloperEagle Dynamics	-0.043
## DeveloperEden Studios	0.068
## DeveloperEdge Entertainment, Anima Project	NA
## DeveloperEdge of Reality	0.772
## DeveloperEdmund McMillen, Florian Himsl	-0.087
## DeveloperEgosoft	0.220
## DeveloperEidos Interactive	0.830
## DeveloperEidos Montreal	0.430
## DeveloperEidos Montreal, Nixxes Software	0.553
## DeveloperEighting	0.274
## DeveloperEighting, Takara Tomy	0.298
## DeveloperEighting/Raizing	0.513
## DeveloperEKO Software	0.326
## DeveloperElectronic Arts	0.531
## DeveloperElectronic Arts, EA Redwood Shores	0.370
## DeveloperElectronic Arts, Rebellion	0.251
## DeveloperElixir Studios	0.452
## DeveloperEmpty Clip Studios	-0.064
## DeveloperEngine Software	-0.059
## DeveloperEnjoyUp Games	1.167
## DeveloperEnlight Software	0.695
## DeveloperEnsemble Studios	0.472
## DeveloperEnterbrain	-0.107
## DeveloperEpic Games	0.663
## DeveloperEpic Games, People Can Fly	0.493
## DeveloperEquinoxe	0.901
## DeveloperEtranges Libellules	0.429
## DeveloperEugen Systems	0.405
## DeveloperEurocom Entertainment Software	0.475
## DeveloperEutechnyx	0.583
## DeveloperEutechnyx, Deep Silver	-0.117
## DeveloperEvolution Studios	0.391
## DeveloperExakt	0.651
## DeveloperExamu	-0.188
## DeveloperExamu, Marvelous Inc.	0.845
## DeveloperExient Entertainment	0.561
## DeveloperExperience Inc.	0.647
## DeveloperFactor 5	0.355
## DeveloperFalcom	0.249
## DeveloperFarsight Studios	0.750
## DeveloperFASA Studio	0.662
## DeveloperFatshark AB	0.074
## DeveloperFeelPlus	0.137
## DeveloperFiraxis Games	0.739
## DeveloperFirebrand Games	0.341
## DeveloperFireFly Studios	0.154

## DeveloperFlagship	0.553
## DeveloperFlagship Studios	0.435
## DeveloperFlight-Plan	NA
## DeveloperFluid Studios	NA
## DeveloperFlying Lab Software	0.083
## DeveloperFlying Tiger Development	0.125
## DeveloperFox Interactive	1.490
## DeveloperFree Radical Design	0.379
## DeveloperFreeStyleGames	0.337
## DeveloperFrom Software	0.484
## DeveloperFrontier Developments	1.063
## DeveloperFrozenbyte, Inc.	0.076
## DeveloperFull-Fat	0.450
## DeveloperFull Fat	0.812
## DeveloperFUN Labs	0.398
## DeveloperFunatics Software, Funatics	0.645
## DeveloperFuncom	NA
## DeveloperFuRyu	0.422
## DeveloperFuse Games Limited	0.593
## DeveloperFusionsphere Systems, Animation Arts	0.301
## DeveloperG-Artists	1.093
## DeveloperG.Rev	0.245
## DeveloperGaijin Entertainment	0.372
## DeveloperGaijin Games	-0.107
## DeveloperGame Arts	0.460
## DeveloperGame Freak	1.499
## DeveloperGame Republic	0.279
## DeveloperGame Republic, JapanStudio	0.637
## DeveloperGame Titan	0.450
## DeveloperGameinvest, Seed Studios, Lda	0.346
## DeveloperGameloft	0.498
## DeveloperGameness Art Software	0.143
## DeveloperGaming Minds Studios	0.641
## DeveloperGanbarion	0.321
## DeveloperGas Powered Games	0.316
## DeveloperGCP1	0.468
## DeveloperGearbox Software	0.674
## DeveloperGearbox Software, 3D Realms	0.371
## DeveloperGenePool	0.359
## DeveloperGenius Sonority Inc.	1.126
## DeveloperGenki	0.390
## DeveloperGenuine Games	0.745
## DeveloperGhost Games	0.620
## DeveloperGiants Software	-0.743
## DeveloperGood-Feel	0.622
## DeveloperGood Science Studio	4.980
## DeveloperGorilla Systems	1.016
## DeveloperGrasshopper Manufacture	0.264
## DeveloperGratuitous Games	0.461
## DeveloperGRIN	-0.198
## DeveloperGriptonite Games	0.648
## DeveloperGSC Game World	-0.013
## DeveloperGuerilla Cambridge	0.173
## DeveloperGuerrilla	0.544

## DeveloperGuildford Studio	0.441
## DeveloperGungHo	0.083
## DeveloperGust	0.502
## DeveloperGusto Games	NA
## Developerh.a.n.d. Inc.	0.378
## DeveloperHaemimont	-0.202
## DeveloperHAL Labs	0.883
## DeveloperHAL Labs, Creatures Inc.	0.592
## DeveloperHalfbrick Studios	0.259
## DeveloperHarmonix Music Systems	0.882
## DeveloperHarmonix Music Systems, Backbone Entertainment	0.184
## DeveloperHarmonix Music Systems, Demiurge Studios	0.122
## DeveloperHB Studios Multimedia	0.033
## DeveloperHeadfirst Productions	0.087
## DeveloperHeadstrong Games	-0.166
## DeveloperHeavy Iron Studios	0.580
## DeveloperHelixe	1.680
## DeveloperHellbent Games	1.185
## DeveloperHello Games	NA
## DeveloperHexaDrive	0.418
## DeveloperHigh Impact Games	0.149
## DeveloperHigh Moon Studios	0.488
## DeveloperHigh Moon Studios, Mercenary Technologies	0.761
## DeveloperHigh Voltage Software	0.565
## DeveloperHigh Voltage Software, Backbone Entertainment	0.840
## DeveloperHitmaker	0.711
## DeveloperHotGen	0.351
## DeveloperHothouse Creations	0.397
## DeveloperHousemarque	0.179
## DeveloperHudson	0.753
## DeveloperHudson Entertainment	0.570
## DeveloperHudson Soft	0.758
## DeveloperHuman Head Studios	0.569
## DeveloperHuman Soft	0.229
## DeveloperHumongous Entertainment	0.413
## DeveloperHydravision	-0.094
## DeveloperHypnos	0.618
## DeveloperHypnos Entertainment	0.889
## DeveloperHypnotix	0.791
## DeveloperIce-Pick Lodge	-0.927
## Developerid Software	0.274
## Developerid Software, Nerve Software	0.880
## Developerid Software, Raven Software	0.078
## DeveloperIdea Factory	0.750
## DeveloperIdea Factory, Compile Heart	0.712
## DeveloperIdol Minds	0.391
## DeveloperIgnition Entertainment	0.508
## DeveloperImage Epoch, Imageepoch	0.472
## DeveloperImmersion Software & Graphics	0.534
## DeveloperIncinerator Games	1.169
## DeveloperIncognito Inc.	0.351
## DeveloperIndi	0.158
## DeveloperIndie Built	1.021
## DeveloperIndies Zero	0.400

## DeveloperInevitable Entertainment	0.386
## DeveloperInferno Games	0.381
## DeveloperInfinite Dreams, Paragon 5	0.277
## DeveloperInfinite Interactive	0.922
## DeveloperInfinity Ward	1.490
## DeveloperInfinity Ward, Sledgehammer Games	-0.121
## DeveloperInfogrames	-0.152
## DeveloperiNiS	-1.102
## DeveloperInsomniac Games	1.040
## DeveloperIntelligent Systems	0.678
## DeveloperInteractive Brains	0.630
## DeveloperInterchannel	0.934
## DeveloperInterplay	NA
## DeveloperInti	0.303
## DeveloperInti Creates	0.394
## DeveloperInti, Inti Creates	0.417
## DeveloperIntroversion, Double Eleven	NA
## DeveloperInXile Entertainment	0.304
## DeveloperIo Interactive	0.317
## DeveloperIon Storm	0.438
## DeveloperIR Gurus	0.333
## DeveloperIrem	0.526
## DeveloperIridon Interactive AB	NA
## DeveloperIron Galaxy Studios	0.907
## DeveloperIron Lore Entertainment	0.227
## DeveloperIsopod Labs	0.791
## DeveloperITL	0.439
## DeveloperIvory Tower	-0.011
## DeveloperJaleco Entertainment	0.322
## DeveloperJellyvision, Iron Galaxy Studios	0.744
## DeveloperJester Interactive	0.116
## DeveloperJGI Entertainment	0.593
## DeveloperJoWooD Entertainment AG	0.555
## DeveloperJuice Games	0.369
## DeveloperJunction Point	0.563
## DeveloperJupiter Corporation	1.008
## DeveloperK2	0.752
## DeveloperK2 LLC	0.146
## DeveloperK2, Kurogane	0.270
## DeveloperKadokawa	0.725
## DeveloperKalypso	0.712
## DeveloperKaos Studios	0.489
## DeveloperKCE Studios	0.562
## DeveloperKCEJ	1.087
## DeveloperKCEO	0.370
## DeveloperKCET	-0.137
## DeveloperKeen Games	0.193
## DeveloperKemco	0.172
## DeveloperKing of the Jungle	NA
## DeveloperKnowWonder	0.235
## DeveloperKoei	0.323
## DeveloperKoei Tecmo Games	0.194
## DeveloperKoei, Omega Force	0.609
## DeveloperKoei/Inis	0.240

## DeveloperKojima Productions	0.477
## DeveloperKonami	0.237
## DeveloperKonami Computer Entertainment Hawaii	0.591
## DeveloperKrome Studios	0.477
## DeveloperKrome Studios, Screenlife Games	-0.196
## DeveloperKronos Digital Entertainment	0.032
## DeveloperKuju Entertainment	0.157
## DeveloperKung Fu Factory	0.498
## DeveloperKunos Simulazioni	0.086
## DeveloperKush Games	0.558
## DeveloperKush Games, Visual Concepts	1.023
## DeveloperKuusou Kagaku	NA
## DeveloperKylotonn	NA
## DeveloperLarian Studios	0.446
## DeveloperLDW, Big Fish Games	0.804
## DeveloperLeft Field Productions	0.173
## DeveloperLegacy Interactive	NA
## DeveloperLevel 5	-0.173
## DeveloperLevel 5, Brownie Brown	0.198
## DeveloperLight Weight	0.044
## DeveloperLionhead Studios	0.291
## DeveloperLiquid Dragon Studios	NA
## DeveloperLiquid Entertainment	0.491
## DeveloperLocomotive Games	0.488
## DeveloperLongtail Studios	-0.316
## DeveloperLucas Learning	0.005
## DeveloperLucasArts	0.743
## DeveloperLucasArts, Krome Studios	0.243
## DeveloperLucky Chicken	0.526
## DeveloperLuxoflux, Inc.	0.994
## DeveloperM2	0.660
## DeveloperMachatin, Inc.	1.142
## DeveloperMachineGames	-0.198
## DeveloperMad Doc Software, Rockstar Vancouver	0.256
## DeveloperMagellan Interactive	NA
## DeveloperMagenta Software	0.145
## DeveloperMagic Pockets	0.586
## DeveloperMajesco Games, Majesco	0.068
## DeveloperMarvelous	0.673
## DeveloperMarvelous AQL	-0.278
## DeveloperMarvelous Entertainment	0.470
## DeveloperMarvelous Inc.	0.532
## DeveloperMASA Group	0.543
## DeveloperMass Media	1.041
## DeveloperMatrix Software	0.610
## DeveloperMaximum Games	0.325
## DeveloperMaxis	1.359
## DeveloperMedia Molecule	0.863
## DeveloperMedia Molecule, United Front Games	0.492
## DeveloperMedia Vision	0.301
## DeveloperMediascape, CUBETYPE	0.981
## DeveloperMekensleep	0.488
## DeveloperMelbourne House	-0.691
## DeveloperMercury Steam	0.081

## DeveloperMetanet Software Inc., SilverBirch Studios	0.310
## DeveloperMetro	0.418
## DeveloperMetro Graphics	0.227
## DeveloperMetro3D	0.387
## DeveloperMicro Cabin	0.324
## DeveloperMicroids	NA
## DeveloperMicrosoft Game Studios	0.104
## DeveloperMicrovision	0.779
## DeveloperMidway	0.902
## DeveloperMidway Studios - Austin	0.647
## DeveloperMidway Studios - Los Angeles	1.170
## DeveloperMidway Studios - San Diego	0.177
## DeveloperMilestone S.r.l	0.392
## DeveloperMilestone, Milestone S.r.l	0.780
## DeveloperMindware Studios	0.158
## DeveloperMistic Software	0.029
## DeveloperMistwalker, Artoon	-0.473
## DeveloperMitchell	0.384
## DeveloperMix Max	0.182
## DeveloperMobius Entertainment	-0.202
## DeveloperMonkey Bar Games	0.370
## DeveloperMonolith Productions	0.340
## DeveloperMonolith Soft	0.498
## DeveloperMonolith Soft, Banpresto	0.726
## DeveloperMonolith Soft, Namco Bandai Games	-0.237
## DeveloperMonster Games Inc.	0.359
## DeveloperMonte Cristo Multimedia	0.757
## DeveloperMonumental Games	0.009
## DeveloperMoss	NA
## DeveloperMTO	1.003
## DeveloperMucky Foot Productions	0.415
## Developern-Space	0.573
## DeveloperNadeo	0.174
## DeveloperNamco	0.684
## DeveloperNamco Bandai Games	0.459
## DeveloperNamco Bandai Games America	0.147
## DeveloperNamco Bandai Games America, Namco Bandai Games	0.470
## DeveloperNamco Bandai Games, Cellius	0.570
## DeveloperNamco Bandai Games, Monkey Bar Games	0.482
## DeveloperNanaOn-Sha	0.209
## DeveloperNaps Team	NA
## DeveloperNatsume	0.545
## DeveloperNaughty Dog	0.833
## DeveloperNaughty Dog, Sony Bend	0.411
## DeveloperNautilus	0.345
## DeveloperNd Cube	0.276
## DeveloperNeko Entertainment	-0.060
## DeveloperNeon Studios, Kaiko	0.884
## DeveloperNerve Software	0.583
## DeveloperNetherock Ltd.	0.435
## DeveloperNetherRealm Studios	0.576
## DeveloperNeverland	0.105
## DeveloperNeversoft Entertainment	0.912
## DeveloperNew	0.006

## DeveloperNex Entertainment	0.357
## DeveloperNext Level Games	0.755
## DeveloperNightlight Studios	0.316
## DeveloperNihilistic	0.735
## DeveloperNikitova Games	0.334
## DeveloperNinja Studio	0.349
## DeveloperNinja Theory	0.250
## DeveloperNintendo	1.242
## DeveloperNintendo EAD Tokyo	0.862
## DeveloperNintendo, Camelot Software Planning	0.400
## DeveloperNintendo, Headstrong Games	0.299
## DeveloperNintendo, Namco Bandai Games	-0.434
## DeveloperNintendo, Nd Cube	0.444
## DeveloperNippon Ichi Software	0.367
## DeveloperNitro Games	1.297
## DeveloperNitro+	-0.347
## DeveloperNixxes Software	0.289
## DeveloperNoise Factory	0.565
## DeveloperNoise Inc.	-0.382
## DeveloperNordic Games Publishing	0.574
## DeveloperNovarama	0.325
## DeveloperNow Production	0.605
## DeveloperNtreev Soft	NA
## DeveloperNuevo Retro Games	1.429
## DeveloperNuFX	0.438
## DeveloperNumber None Inc., Knockout Games	NA
## DeveloperObsidian Entertainment	0.947
## DeveloperOddworld Inhabitants	0.491
## Developerodenis studio	0.627
## DeveloperOffice Create	0.725
## DeveloperOmega Force	0.341
## DeveloperOmega Force, Koei Canada	0.524
## DeveloperOmega Force, Koei Tecmo Games	0.350
## DeveloperOmiya Soft, Jamsworks	0.276
## DeveloperOpus	0.136
## DeveloperOpus Studio	0.943
## DeveloperOpus, Project Sora	0.342
## DeveloperOrbital Media, Inc.	0.098
## DeveloperOsiris Studios	0.219
## DeveloperOutrage Games	0.341
## DeveloperOverkill Software	0.648
## DeveloperOverworks	0.251
## DeveloperPacific Coast Power & Light	0.453
## DeveloperPage 44 Studios	0.409
## DeveloperPam Development	-0.217
## DeveloperPandemic Studios	0.477
## DeveloperPaon Corporation	0.072
## DeveloperPapaya Studios	0.587
## DeveloperParadigm Entertainment	0.293
## DeveloperParadox Development	0.464
## DeveloperParadox Development Studio	1.132
## DeveloperParadox Interactive	NA
## DeveloperPeople Can Fly	0.215
## DeveloperPetroglyph	0.300

## DeveloperPhosphor Games Studio, LLC	0.530
## DeveloperPipe Dream Interactive	0.456
## DeveloperPipeworks Software, Inc.	1.044
## DeveloperPiranha Bytes	-0.161
## DeveloperPiranha Games	0.933
## DeveloperPitbull Syndicate	1.021
## DeveloperPivotal Games	0.278
## DeveloperPlanet Moon Studios	0.329
## DeveloperPlatinum Egg	0.583
## DeveloperPlatinumGames	0.485
## DeveloperPlayground Games	0.002
## DeveloperPLAYGROUND, Playground Games	-0.006
## DeveloperPlaystos Entertainment	0.064
## DeveloperPocket Studios	1.990
## DeveloperPocketeers	0.861
## DeveloperPoint of View	0.448
## DeveloperPolygon Magic	0.643
## DeveloperPolyphony Digital	-0.882
## DeveloperPopCap	0.579
## DeveloperPopTop Software	0.380
## DeveloperProject Aces	0.646
## DeveloperProject Soul	0.645
## DeveloperProkion	0.423
## DeveloperPropaganda Games	1.122
## DeveloperPrope	0.340
## DeveloperPrope, Kadokawa	0.613
## DeveloperPseudo Interactive	0.505
## DeveloperPsygnosis	0.409
## DeveloperPsyponix	-0.168
## DeveloperPterodon	0.221
## DeveloperPuzzleKings	0.452
## DeveloperPyramid	0.911
## DeveloperPyro Studios	0.683
## DeveloperQ-Games	0.910
## DeveloperQ Entertainment	0.389
## DeveloperQuantic Dream	0.095
## DeveloperQuest	-0.337
## DeveloperRacjin	0.794
## DeveloperRadical Entertainment	0.623
## DeveloperRage Software	NA
## DeveloperRainbow Studios	1.470
## DeveloperRare Ltd.	0.287
## DeveloperRare Ltd., BigPark	0.840
## DeveloperRaster	0.338
## DeveloperRatbag	0.616
## DeveloperRaven Software	0.871
## DeveloperRaylight Studios	0.623
## DeveloperRazorworks Studios	0.709
## DeveloperReady at Dawn	0.536
## DeveloperRealism Ltd	1.200
## DeveloperReality Pump	0.184
## DeveloperRealtime Worlds	0.198
## DeveloperRebellion	0.459
## DeveloperRED Entertainment	1.503

## DeveloperRED Entertainment, Artdink	0.795
## DeveloperRed Fly Studio	0.617
## DeveloperRed Storm Entertainment	0.830
## DeveloperRed Storm Entertainment, Ubisoft Montreal	0.333
## DeveloperRed Tribe	0.448
## DeveloperRed Zone Entertainment	0.381
## DeveloperRedLynx	0.458
## DeveloperReflections Interactive	0.535
## DeveloperRelated Designs	-0.732
## DeveloperRelic	0.216
## DeveloperReloaded Productions, Reloaded Games Inc.	0.270
## DeveloperRemedy Entertainment	0.161
## DeveloperRenegade Kid	-0.052
## DeveloperRespawn Entertainment	0.717
## DeveloperRetro Studios	0.745
## DeveloperRFX Interactive	0.487
## DeveloperRitual Entertainment, Avalanche Software	0.846
## DeveloperRobomodo	0.796
## DeveloperRockstar Leeds	0.165
## DeveloperRockstar London	0.395
## DeveloperRockstar North	0.412
## DeveloperRockstar San Diego	0.640
## DeveloperRockstar Studios	0.010
## DeveloperRockstar Toronto	0.333
## DeveloperRockstar Toronto, Rockstar Leeds	0.759
## DeveloperRocksteady Studios	0.786
## DeveloperRocksteady Studios, Iron Galaxy Studios	1.017
## DeveloperRonin Entertainment	0.408
## DeveloperRuntime	NA
## DeveloperRyu ga Gotoku Studios	0.543
## DeveloperS-Neo	NA
## DeveloperSabertooth Games	0.714
## DeveloperSaffire	0.491
## DeveloperSand Grain Studios	0.539
## DeveloperSandlot	0.383
## DeveloperSanta Cruz Games	0.636
## DeveloperSanta Entertainment	NA
## DeveloperSanzaru Games	0.823
## DeveloperSanzaru Games, Sanzaru Games, Inc.	0.468
## DeveloperSCE Japan Studio	0.140
## DeveloperSCE Japan Studio, comcept	0.600
## DeveloperSCE Santa Monica	0.876
## DeveloperSCE Studio Cambridge	0.207
## DeveloperSCE/WWS, Media Molecule	-0.308
## DeveloperSCEA	0.799
## DeveloperSCEA San Diego Studios	1.128
## DeveloperSCEA Sports Studio	0.956
## DeveloperSCEA, Sims	1.318
## DeveloperSCEE	0.285
## DeveloperSCEE London Studio	-0.265
## DeveloperSCEI	0.524
## DeveloperSCEJ	0.587
## DeveloperSCi	0.562
## DeveloperScreenlife Games, WXP	0.486

## DeveloperSecret Level	0.662
## DeveloperSecret Stash Games	0.880
## DeveloperSega	0.551
## DeveloperSega AM2	0.714
## DeveloperSega AM3	-0.322
## DeveloperSega Studios San Francisco	0.432
## DeveloperSega, Dimps Corporation	0.657
## DeveloperSega, Sonic Team	0.681
## DeveloperSensory Sweep	NA
## DeveloperSeta Corporation	0.230
## DeveloperSeven45 Studios	-0.086
## DeveloperShaba Games	0.486
## DeveloperShade	0.249
## DeveloperShift	0.332
## DeveloperShin'en	0.361
## DeveloperShiny Entertainment	1.114
## DeveloperSidhe Interactive	0.559
## DeveloperSilicon Knights	0.516
## DeveloperSilicon Studio	0.295
## DeveloperSimBin	0.098
## DeveloperSimon & Schuster	0.909
## DeveloperSkyRiver Studios	0.423
## DeveloperSlant Six	0.748
## DeveloperSledgehammer Games	0.777
## DeveloperSlightly Mad Studios	NA
## DeveloperSmart Bomb Interactive	0.581
## DeveloperSmilebit	0.430
## DeveloperSnap Dragon Games	NA
## DeveloperSNK	0.650
## DeveloperSNK Playmore	0.744
## DeveloperSnowblind Studios	0.801
## DeveloperSonic Team	1.030
## DeveloperSonnori	0.753
## DeveloperSony Bend	0.488
## DeveloperSony Interactive Entertainment	0.531
## DeveloperSony Online Entertainment	0.546
## DeveloperSpark Unlimited	0.499
## DeveloperSpellbound	0.390
## DeveloperSpicy Horse	0.391
## DeveloperSpiders	0.786
## DeveloperSpidersoft, Spiders	0.782
## DeveloperSpike	0.491
## DeveloperSpike Chunsoft	0.495
## DeveloperSpike Chunsoft Co. Ltd., Spike Chunsoft	0.547
## DeveloperSpike Chunsoft, Chime	-0.264
## DeveloperSpike, Namco Bandai Games	-0.319
## DeveloperSplash Damage	-0.133
## DeveloperSplash Damage, The Coalition	1.978
## DeveloperSports Interactive	-1.011
## DeveloperSquare Enix	0.606
## DeveloperSquare Enix, Tri-Ace	0.273
## DeveloperSquareSoft	1.796
## DeveloperSScholastic Media	NA
## DeveloperStainless Games	0.522

## DeveloperStarbreeze	-0.025
## DeveloperStarsphere Interactive	0.339
## DeveloperStill Alive Studios	NA
## DeveloperSting	0.583
## DeveloperStormfront Studios	0.265
## DeveloperStormregion	0.638
## DeveloperStrangelite	0.418
## DeveloperStudio Gigante	0.772
## DeveloperStudio Liverpool	0.244
## DeveloperStudio Saizensen	NA
## DeveloperSubterranean Games	0.485
## DeveloperSuccess	NA
## DeveloperSucker Punch	1.241
## DeveloperSumo Digital	0.198
## DeveloperSun-Tec	0.171
## DeveloperSunrise Interactive	0.240
## DeveloperSunSoft	0.168
## DeveloperSuper Empire	-0.054
## DeveloperSuperBot Entertainment	0.664
## DeveloperSuperMassive Games	0.501
## DeveloperSuperVillain Studios	0.464
## DeveloperSurreal Software	0.603
## DeveloperSuzak	0.502
## DeveloperSwingin' Ape	0.051
## DeveloperSwordfish Studios	0.055
## Developersyn Sophia	0.405
## DeveloperSynetic	0.779
## DeveloperTaito Corporation	0.771
## DeveloperTaito Corporation, 505 Games	0.744
## DeveloperTakara	0.197
## DeveloperTakara Tomy	0.210
## DeveloperTake-Two Interactive	0.361
## DeveloperTamsoft	0.288
## DeveloperTango Frameworks	0.022
## DeveloperTaniko	0.395
## DeveloperTantalus Interactive	-0.366
## DeveloperTate Interactive	0.293
## DeveloperTeam 17	0.317
## DeveloperTeam 17, Two Tribes	-0.177
## DeveloperTeam Bondi	0.079
## DeveloperTeam Fusion	0.377
## DeveloperTeam Ninja	0.367
## DeveloperTechland	0.597
## DeveloperTecmo	0.141
## DeveloperTecmo Koei Canada	0.344
## DeveloperTelenet	0.326
## DeveloperTelltale Games	0.713
## DeveloperTenky	0.447
## DeveloperTerminal Reality	0.577
## DeveloperTetris Online, Inc	0.418
## DeveloperTeyon	0.581
## DeveloperThatGameCompany	-0.349
## DeveloperThe Behemoth	NA
## DeveloperThe Fun Pimps Entertainment LLC	1.142

## DeveloperThe Game Factory	-0.788
## DeveloperThe Sims Studio	1.143
## DeveloperThe Workshop	0.476
## DeveloperTHQ	0.407
## DeveloperTHQ Digital Studio Phoenix	0.777
## DeveloperTHQ, 1C, 1C Company	NA
## DeveloperTHQ, Yuke's	0.690
## DeveloperTilted Mill	0.484
## DeveloperTimeGate Studios	0.068
## DeveloperTitus Software	0.449
## DeveloperToka	-0.087
## DeveloperTop Heavy Studios	0.235
## DeveloperTorus Games	1.282
## DeveloperTOSE	0.999
## DeveloperTose Software	-0.165
## DeveloperTouchdown Entertainment	NA
## DeveloperTOYBOX	NA
## DeveloperToys for Bob	0.879
## DeveloperTranji	0.012
## DeveloperTransmission Games	0.330
## DeveloperTraveller's Tales	0.530
## DeveloperTreasure	0.424
## DeveloperTreyarch	1.098
## DeveloperTreyarch, Shaba Games	0.453
## DeveloperTreyarch, Sledgehammer Games	0.699
## DeveloperTri-Ace	0.517
## DeveloperTri-Crescendo	0.380
## DeveloperTrickstar Games	0.811
## DeveloperTrion Worlds	0.796
## DeveloperTripwire Interactive	NA
## DeveloperTriumph Studios	0.491
## DeveloperTT Fusion	0.965
## DeveloperTT Games	0.538
## DeveloperTurn 10	0.759
## DeveloperTurtle Rock Studios	0.614
## DeveloperTwisted Pixel Games	0.052
## DeveloperUbisoft	0.827
## DeveloperUbisoft Barcelona	0.186
## DeveloperUbisoft Bulgaria	0.582
## DeveloperUbisoft Casablanca	0.564
## DeveloperUbisoft Milan	0.547
## DeveloperUbisoft Montpellier	0.361
## DeveloperUbisoft Montreal	0.622
## DeveloperUbisoft Paris	0.910
## DeveloperUbisoft Quebec	0.727
## DeveloperUbisoft Reflections, Ivory Tower	0.135
## DeveloperUbisoft Romania	0.251
## DeveloperUbisoft Shanghai	0.553
## DeveloperUbisoft Toronto	0.585
## DeveloperUbisoft Vancouver	0.224
## DeveloperUbisoft, FunHouse	0.525
## DeveloperUbisoft, Ubisoft Montreal	1.181
## DeveloperUBLart Montpellier	-0.005
## DeveloperUDS	0.005

## DeveloperUGA	NA
## DeveloperUnigine Corp, Russia	NA
## DeveloperUnited Front Games	0.207
## DeveloperValhalla Game Studios	0.304
## DeveloperValuewave Co.,Ltd.	0.378
## DeveloperValve Software	1.060
## DeveloperVanguard	0.351
## DeveloperVanilla Ware	0.371
## DeveloperVanillaware	0.498
## DeveloperVenan Entertainment, Cashmere Prod.	0.278
## DeveloperVenom Games	0.141
## DeveloperVicarious Visions	0.840
## DeveloperVicious Cycle	0.618
## DeveloperVictor Interactive Software	-0.239
## DeveloperVigil Games	0.560
## DeveloperVirtuos	0.474
## DeveloperVIS Entertainment	0.341
## DeveloperVisceral Games	0.704
## DeveloperVisual Concepts	1.050
## DeveloperVisual Impact	0.433
## DeveloperVisual Sciences	0.084
## DeveloperVivarium	0.595
## DeveloperVivendi Games	-0.129
## DeveloperVogster	0.478
## DeveloperVolatile Games	0.258
## DeveloperVolition Inc.	0.411
## DeveloperVSTEP	0.646
## DeveloperWargaming.net	0.804
## DeveloperWarner Bros. Interactive Entertainment	0.136
## DeveloperWarner Bros. Interactive Entertainment, NetherRealm Studios	1.054
## DeveloperWarthog	0.359
## DeveloperWayForward	0.651
## DeveloperWBIE	1.099
## DeveloperWebfoot Technologies	1.550
## DeveloperWicked Witch Software	NA
## DeveloperWideload Games Inc.	0.507
## DeveloperWideScreen Games	0.349
## DeveloperWinkySoft	0.304
## DeveloperWizarbox	NA
## DeveloperWow Entertainment	0.542
## DeveloperWXP	0.396
## DeveloperXpec	0.522
## DeveloperYacht Club Games	NA
## DeveloperYager	0.210
## DeveloperYuke's	0.599
## DeveloperZ-Axis, Ltd.	0.559
## DeveloperZed Two Limited	0.683
## DeveloperZen Studios	0.478
## DeveloperZener Works	0.138
## DeveloperZeniMax Media	0.389
## DeveloperZerodiv	0.438
## DeveloperZipper Interactive	1.932
## DeveloperZoe Mode	0.794
## DeveloperZombie Studios	0.485

## DeveloperZoom	0.208
## DeveloperZootFly	-0.238
## sqrtEU_Sales	10.262
## invJP_Sales	-2.734
## sqrtOther_Sales	29.082
## Year_of_Release	-4.750
##	Pr(> t )
## (Intercept)	1.65e-06
## GenreAdventure	0.913321
## GenreFighting	0.412534
## GenreMisc	0.180001
## GenrePlatform	0.077541
## GenrePuzzle	0.014514
## GenreRacing	0.270470
## GenreRole-Playing	0.955645
## GenreShooter	0.463916
## GenreSimulation	0.932629
## GenreSports	0.828552
## GenreStrategy	0.007565
## sqUser_Score	0.000272
## sqCritic_Score	0.007397
## PlatformDC	0.001069
## PlatformDS	0.750605
## PlatformGBA	0.553209
## PlatformGC	0.093932
## PlatformPC	2.21e-08
## PlatformPS	0.482817
## PlatformPS2	0.030957
## PlatformPS3	0.011986
## PlatformPS4	4.26e-06
## PlatformPSP	0.012830
## PlatformPSV	4.36e-05
## PlatformWii	0.022303
## PlatformWiiU	0.167308
## PlatformX360	0.003689
## PlatformXB	0.202833
## PlatformXOne	0.133905
## Publisher2D Boy	0.486449
## Publisher3DO	0.350023
## Publisher505 Games	0.531702
## Publisher5pb	0.470164
## PublisherAcclaim Entertainment	0.455814
## PublisherAcquire	0.690761
## PublisherActivision	0.567207
## PublisherActivision Blizzard	0.490366
## PublisherActivision Value	0.558905
## PublisherAgatsuma Entertainment	0.676396
## PublisherAgetec	0.414280
## PublisherAksys Games	0.860354
## PublisherAlternative Software	0.658853
## PublisherAqua Plus	0.996275
## PublisherArc System Works	0.839887
## PublisherASCII Entertainment	0.245861
## PublisherAspyr	0.542213

## PublisherAstragon	0.910938
## PublisherAtari	0.609219
## PublisherAtlas	0.583291
## PublisherAvalon Interactive	0.539563
## PublisherAvanquest	0.977181
## PublisherBAM! Entertainment	0.661652
## PublisherBanpresto	0.505751
## PublisherBethesda Softworks	0.959789
## PublisherBigben Interactive	0.584500
## PublisherBlack Bean Games	0.454542
## PublisherBlack Label Games	0.649994
## PublisherBohemia Interactive	0.781087
## PublisherBrash Entertainment	0.618959
## PublisherCapcom	0.504789
## PublisherCCP	0.483863
## PublisherCity Interactive	0.343752
## PublisherCloud Imperium Games Corporation	0.305373
## PublisherCodemasters	0.491729
## PublisherCompile Heart	0.519192
## PublisherCrave Entertainment	0.389253
## PublisherCrimson Cow	0.782763
## PublisherCrytek	0.854414
## PublisherD3Publisher	0.507528
## PublisherDaedalic	0.372663
## PublisherDeep Silver	0.665185
## PublisherDestination Software, Inc	0.348186
## PublisherDestineer	0.174298
## PublisherDevolver Digital	0.971254
## PublisherDisney Interactive Studios	0.584864
## PublisherDreamCatcher Interactive	0.578017
## PublisherDTP Entertainment	0.608284
## PublisherDusenberry Martin Racing	0.608345
## PublisherEA Games	0.848242
## PublisherEidos Interactive	0.460616
## PublisherElectronic Arts	0.515352
## PublisherEmpire Interactive	0.510652
## PublisherEncore	0.487180
## PublisherEnix Corporation	0.206387
## PublisherEnterbrain	0.554742
## PublisherEvolved Games	0.432819
## PublisherFalcom Corporation	0.846007
## PublisherFlashpoint Games	0.629513
## PublisherFocus Home Interactive	0.500465
## PublisherFrom Software	0.411724
## PublisherFunbox Media	0.886359
## PublisherFuncom	0.883134
## PublisherFuRyu	0.513736
## PublisherGame Factory	0.686823
## PublisherGamebridge	0.490894
## PublisherGamecock	0.736898
## PublisherGathering of Developers	0.548480
## PublisherGearbox Software	0.676213
## PublisherGenki	0.646887
## PublisherGhostlight	0.515403

## PublisherGlobal Star	0.451858
## PublisherGotham Games	0.517728
## PublisherGroove Games	0.665166
## PublisherGT Interactive	0.795617
## PublisherGungHo	0.903762
## PublisherHarmonix Music Systems	0.615944
## PublisherHasbro Interactive	0.743595
## PublisherHello Games	0.959044
## PublisherHip Interactive	0.630992
## PublisherHome Entertainment Suppliers	0.265525
## PublisherHudson Entertainment	0.672749
## PublisherHudson Soft	0.405942
## PublisherHuman Entertainment	0.692670
## PublisherIceberg Interactive	0.814451
## PublisherIdea Factory	0.442318
## PublisherIdea Factory International	0.901504
## PublisherIgnition Entertainment	0.349915
## PublisherIndie Games	0.476181
## PublisherInfogrames	0.553877
## PublisherInsomniac Games	0.648188
## PublisherInterplay	0.487219
## PublisherIntroversion Software	0.819816
## PublisherJaleco	0.394505
## PublisherJester Interactive	0.714584
## PublisherJoWood Productions	0.538060
## PublisherKadokawa Shoten	0.372476
## PublisherKalypso Media	0.817398
## PublisherKemco	0.511026
## PublisherKoch Media	0.793230
## PublisherKonami Digital Entertainment	0.446326
## PublisherLighthouse Interactive	0.520611
## PublisherLittle Orbit	0.226257
## PublisherLucasArts	0.714615
## PublisherMajesco Entertainment	0.601692
## PublisherMamba Games	0.870771
## PublisherMarvelous Entertainment	0.634012
## PublisherMarvelous Interactive	0.463623
## PublisherMastertronic	0.968388
## PublisherMastiff	0.966253
## PublisherMC2 Entertainment	0.572006
## PublisherMercury Games	0.758725
## PublisherMetro 3D	0.436447
## PublisherMicroroids	0.506720
## PublisherMicrosoft Game Studios	0.712949
## PublisherMidas Interactive Entertainment	0.477549
## PublisherMidway Games	0.395755
## PublisherMilestone S.r.l	0.652443
## PublisherMilestone S.r.l.	0.643395
## PublisherMindscape	0.812558
## PublisherMonte Christo Multimedia	0.395723
## PublisherMoss	0.576741
## PublisherMTV Games	0.575095
## PublisherMud Duck Productions	0.977540
## PublisherN/A	0.618681

## PublisherNamco Bandai Games	0.468658
## PublisherNatsume	0.739200
## PublisherNavarre Corp	0.704642
## PublisherNCSoft	0.880325
## PublisherNDA Productions	0.792212
## PublisherNewKidCo	0.438871
## PublisherNintendo	0.713191
## PublisherNippon Ichi Software	0.593136
## PublisherNobilis	0.805136
## PublisherNordic Games	0.319255
## PublisherNovaLogic	0.616343
## PublisherNumber None	0.446106
## Publisher0-Games	0.809377
## Publisher03 Entertainment	0.576904
## PublisherParadox Interactive	0.323758
## PublisherPhantagram	0.394006
## PublisherPlay It	0.550061
## PublisherPlaylogic Game Factory	0.552246
## PublisherPopCap Games	0.699890
## PublisherPopcorn Arcade	0.490155
## PublisherPQube	0.750009
## PublisherPsygnosis	0.278054
## PublisherRage Software	0.709730
## PublisherRebellion	0.508719
## PublisherRebellion Developments	0.668768
## PublisherRedOctane	0.681750
## PublisherReef Entertainment	0.999684
## PublisherRising Star Games	0.518932
## PublisherRussel	0.924051
## PublisherSammy Corporation	0.518193
## PublisherScholastic Inc.	0.959831
## PublisherSCi	0.691265
## PublisherScreenlife	0.697726
## PublisherSega	0.387353
## PublisherSlightly Mad Studios	0.376113
## PublisherSNK	0.303148
## PublisherSold Out	0.898531
## PublisherSony Computer Entertainment	0.530864
## PublisherSony Computer Entertainment America	0.555197
## PublisherSony Computer Entertainment Europe	0.572237
## PublisherSony Online Entertainment	0.446779
## PublisherSouthPeak Games	0.852649
## PublisherSpike	0.838086
## PublisherSquare Enix	0.482235
## PublisherSquare Enix	0.542130
## PublisherSquareSoft	0.104086
## PublisherSting	0.525620
## PublisherSuccess	0.667862
## PublisherSwing! Entertainment	0.748337
## PublisherSystem 3 Arcade Software	0.528342
## PublisherTaito	0.312009
## PublisherTakara Tomy	0.998254
## PublisherTake-Two Interactive	0.641365
## PublisherTDK Mediactive	0.318884

## PublisherTecmo Koei	0.557178
## PublisherTelltale Games	0.285855
## PublisherTHQ	0.540614
## PublisherTitus	0.507561
## PublisherTouchstone	0.302729
## PublisherTripwire Interactive	0.834648
## PublisherTru Blu Entertainment	0.654240
## PublisherUbisoft	0.506389
## PublisherUbisoft Annecy	0.462879
## PublisherUniversal Interactive	0.609408
## PublisherUnknown	0.846856
## PublisherValve Software	0.566798
## PublisherVirgin Interactive	0.342914
## PublisherVivendi Games	0.583259
## PublisherWanadoo	0.569187
## PublisherWargaming.net	0.119866
## PublisherWarner Bros. Interactive Entertainment	0.624526
## PublisherWhite Park Bay Software	0.843537
## PublisherXplosiv	0.546444
## PublisherXS Games	0.466131
## PublisherXseed Games	0.785063
## PublisherYacht Club Games	0.481251
## PublisherZoo Digital Publishing	0.566465
## PublisherZoo Games	0.705653
## PublisherZushi Games	0.896280
## Developer1C, 1C Company	0.907269
## Developer1C, Ino-Co, 1C Company	0.253249
## Developer1C: Maddox Games	0.891683
## Developer1C:Ino-Co	0.148369
## Developer2015	0.710370
## Developer2D Boy	NA
## Developer2K Australia	0.631908
## Developer2K Czech	0.925267
## Developer2K Games	0.869091
## Developer2K Marin	0.859177
## Developer2K Sports	0.768425
## Developer2XL Games	0.621572
## Developer343 Industries	0.003553
## Developer3d6 Games	0.677987
## Developer3DO	0.551040
## Developer49Games	0.916534
## Developer4A Games	0.909512
## Developer4J Studios	0.982489
## Developer5pb	0.610047
## Developer5TH Cell	0.283626
## Developer7 Studios	0.612017
## Developer8ing/Raizing	0.562841
## Developer989 Sports	0.480915
## DeveloperAccess Games	0.499433
## DeveloperAcclaim	0.584872
## DeveloperAcclaim Studios Austin	0.646007
## DeveloperAcclaim Studios Cheltenham	0.515664
## DeveloperAcquire	0.746385
## DeveloperActivision	0.518355

## DeveloperAdrenium	0.650831
## DeveloperAI	0.380601
## DeveloperAirtight Games	0.581372
## DeveloperAkella	0.629708
## DeveloperAki Corp.	0.528043
## DeveloperAlfa System	0.811368
## DeveloperAlphadream Corporation	0.661863
## DeveloperAmanita Design	0.777290
## DeveloperAmaze	0.762214
## DeveloperAmaze Entertainment	0.457646
## DeveloperAmbrella	0.846079
## DeveloperAmbrella, The Pokemon Company	0.853092
## DeveloperAmusement Vision	0.716958
## DeveloperAmuze	0.612956
## DeveloperAnchor	0.454132
## DeveloperAngel Studios	0.441362
## DeveloperAnimation Arts	0.764518
## DeveloperAppaloosa Interactive	0.717558
## DeveloperAQ Interactive	0.793275
## DeveloperArc System Works	0.988019
## DeveloperArenaNet	NA
## DeveloperArgonaut Games	0.688190
## DeveloperArika	0.699914
## DeveloperArkane Studios	0.873577
## DeveloperArkedo Studio	0.799509
## DeveloperArmature Studio	0.672557
## DeveloperArt	0.660753
## DeveloperArtefacts Studio	0.455567
## DeveloperArtePiazza	0.786289
## DeveloperArtificial Mind and Movement	0.624686
## DeveloperArtificial Mind and Movement, EA Redwood Shores	0.519939
## DeveloperArtificial Studios, Immersion Software & Graphics	0.889153
## DeveloperArtoon	0.585580
## DeveloperArzest	0.755192
## DeveloperAscaron Entertainment GmbH, Ascaron Entertainment	0.955232
## DeveloperAsobo Studio	0.802179
## DeveloperAspect	0.333425
## DeveloperAspyr	0.506202
## DeveloperAtari	0.671024
## DeveloperAtari, Slightly Mad Studios, Atari SA	0.803170
## DeveloperAtlas	0.748489
## DeveloperAtlas Co.	0.847192
## DeveloperAtomic Games	0.112309
## DeveloperAtomic Motion	0.696925
## DeveloperAtomic Planet Entertainment	0.646196
## DeveloperAttention To Detail	0.773676
## DeveloperAutumn Moon	NA
## DeveloperAvalanche Software	0.691212
## DeveloperAvalanche Studios	0.956971
## DeveloperAvalon Style	0.999896
## DeveloperAWE Games	0.553727
## DeveloperAwesome Play Ltd.	0.419838
## DeveloperAwesome Studios	0.681502
## DeveloperBabylon Software	0.871927

## DeveloperBackbone Entertainment	0.457063
## DeveloperBam Entertainment	0.877237
## DeveloperBandai	0.605187
## DeveloperBandai Namco Games	0.539333
## DeveloperBandai Namco Games, Artdink	0.401817
## DeveloperBanpresto, SoftMax	0.816171
## DeveloperBarnhouse Effect	0.608872
## DeveloperBattlefront.com, 1C, 1C Company	0.748624
## DeveloperBec	0.614008
## DeveloperBeenox	0.683340
## DeveloperBehaviour Interactive	0.679606
## DeveloperBeluga Computer	0.925795
## DeveloperBest Way	0.642040
## DeveloperBethesda Game Studios	0.988591
## DeveloperBethesda Softworks	0.472915
## DeveloperBeyond Games	0.627399
## DeveloperBig Ant Studios	NA
## DeveloperBig Blue Box	0.061061
## DeveloperBig Blue Bubble Inc.	0.509032
## DeveloperBig Huge Games	0.757245
## DeveloperBig Red Software	0.427051
## DeveloperBig Sky Software	0.840284
## DeveloperBigbig Studios	0.764307
## DeveloperBionic Games	0.741198
## DeveloperBioWare	0.590097
## DeveloperBioWare, Demiurge Studios	0.281773
## DeveloperBits Studios	0.896729
## DeveloperBizarre Creations	0.810174
## DeveloperBlack Box	0.750518
## DeveloperBlack Hole Games	0.723084
## DeveloperBlack Isle Studios	0.682043
## DeveloperBlack Lantern Studios	0.963117
## DeveloperBlack Ops Entertainment	0.882153
## DeveloperBlack Rock Studio	0.723627
## DeveloperBlack Sea Studios	0.286740
## DeveloperBlack Ship Games	0.903254
## DeveloperBlade Interactive	0.575708
## DeveloperBlitz Games	0.598059
## DeveloperBlitz Games Studios	0.514827
## DeveloperBlizzard Entertainment	0.557819
## DeveloperBlizzard North	0.005320
## DeveloperBlue Byte	0.315941
## DeveloperBlue Byte, Related Designs	0.514140
## DeveloperBlue Castle Games	0.557633
## DeveloperBlue Omega	0.669058
## DeveloperBlue Shift	0.651704
## DeveloperBlue Tongue	0.737063
## DeveloperBlue Tongue Entertainment	0.676031
## DeveloperBluepoint Games	0.427919
## DeveloperBlueshift	0.662196
## DeveloperBohemia Interactive	0.826721
## DeveloperBongfish	0.896947
## DeveloperBoston Animation	0.718190
## DeveloperBottleRocket Entertainment	0.710963

## DeveloperBrain Toys	0.743833
## DeveloperBrainbox Games	NA
## DeveloperBrash Entertainment	0.513584
## DeveloperBudCat	0.971371
## DeveloperBugbear	0.804997
## DeveloperBullets	0.770766
## DeveloperBungie	0.064128
## DeveloperBungie Software	0.550279
## DeveloperBungie Software, Bungie	0.049494
## DeveloperBuzz Monkey	0.824220
## DeveloperBuzz Monkey, EA Montreal	0.828133
## DeveloperCamelot Software Planning	0.511333
## DeveloperCamoouflaj, LLC	0.689085
## DeveloperCapcom	0.601537
## DeveloperCapcom Vancouver	0.535117
## DeveloperCapcom, Pipeworks Software, Inc.	0.390818
## DeveloperCAProduction	0.865258
## DeveloperCareer Soft	0.657105
## DeveloperCat Daddy Games	0.310428
## DeveloperCattle Call	0.753204
## DeveloperCauldron Ltd.	0.809347
## DeveloperCavia Inc.	0.554525
## DeveloperCCP	NA
## DeveloperCD Projekt Red Studio	0.418957
## DeveloperChunSoft	0.081704
## DeveloperCing	0.817306
## DeveloperCity Interactive	NA
## DeveloperCity Interactive, Deck 13	0.611368
## DeveloperClap Hanz	0.654470
## DeveloperClimax Entertainment	0.207718
## DeveloperClimax Group	0.523091
## DeveloperClimax Group, Climax Studios	0.869564
## DeveloperClimax Studios	0.630231
## DeveloperClover Studio	0.680603
## DeveloperCodemasters	0.906240
## DeveloperCodemasters Birmingham	0.483323
## DeveloperCollision Studios	0.934938
## DeveloperColossal Order	0.542180
## DeveloperCompile Heart	0.725329
## DeveloperCompulsion Games	0.541778
## DeveloperComputer Artworks	0.847500
## DeveloperContraband Entertainment	0.825007
## DeveloperCooking Mama Limited	0.328009
## DeveloperCore Design Ltd.	0.394910
## DeveloperCoresoft	0.200420
## DeveloperCoyote Developments	0.916001
## DeveloperCranky Pants Games	0.771222
## DeveloperCrave	0.469524
## DeveloperCrawfish Interactive	0.723312
## DeveloperCreat Studios	0.478859
## DeveloperCreative Assembly	0.655180
## DeveloperCreatures Inc.	0.468557
## DeveloperCrispy's	0.861515
## DeveloperCriterion Games	0.512612

## DeveloperCroteam	0.920650
## DeveloperCryptic Studios	0.682444
## DeveloperCrystal Dynamics	0.822515
## DeveloperCrystal Dynamics, Nixxes Software	0.916066
## DeveloperCrytek	0.627322
## DeveloperCunning Developments	0.809727
## DeveloperCyan Worlds	0.811042
## DeveloperCyanide	0.489076
## DeveloperCyanide, Cyanide Studios	0.541535
## DeveloperCyberConnect2	0.599723
## DeveloperCyberConnect2, Racjin	0.608056
## DeveloperCyberlore Studios	0.617390
## DeveloperDaedalic Entertainment	NA
## DeveloperDarkworks	0.679897
## DeveloperData Design Interactive	0.723568
## DeveloperDavid A. Palmer Productions	0.411365
## DeveloperDay 1 Studios	0.872918
## DeveloperDC Studios	0.718187
## DeveloperDeadline Games	0.866096
## DeveloperDeck 13	0.572280
## DeveloperDeep Red	0.603933
## DeveloperDeep Silver	0.657972
## DeveloperDeep Silver Dambuster Studios	0.442509
## DeveloperDeep Silver, Sproing Interactive Media, Sproing	0.875068
## DeveloperDeibus Studios	0.721847
## DeveloperDelphine Software International	0.569123
## DeveloperDestination Software	NA
## DeveloperDestineer	0.848560
## DeveloperDigital Eclipse	0.402273
## DeveloperDigital Embryo	0.525945
## DeveloperDigital Extremes	0.715886
## DeveloperDigital Extremes, 2K Marin	0.879254
## DeveloperDigital Illusions	0.546879
## DeveloperDimps Corporation	0.355239
## DeveloperDimps Corporation, Namco Bandai Games	0.863454
## DeveloperDimps Corporation, Sonic Team	0.665083
## DeveloperDisney Interactive	0.947379
## DeveloperDisney Interactive Studios	0.757801
## DeveloperDMA Design	0.055477
## DeveloperDONTNOD Entertainment	0.672440
## DeveloperDouble Fine Productions	0.546798
## DeveloperDouble Helix Games	0.552436
## DeveloperDreamcatcher	0.633937
## DeveloperDreamFactory	0.753282
## DeveloperDreamworks Games	0.443382
## DeveloperDreamworks Interactive	0.517869
## DeveloperDTP Entertainment	0.699635
## DeveloperDusenberry Martin Racing	NA
## DeveloperEA Black Box	0.529219
## DeveloperEA Bright Light	0.640092
## DeveloperEA Canada	0.558106
## DeveloperEA Canada, EA Vancouver	0.361916
## DeveloperEA Chicago	0.677539
## DeveloperEA DICE	0.635660

## DeveloperEA Games	0.606442
## DeveloperEA Japan Studio	0.795589
## DeveloperEA LA	0.453211
## DeveloperEA Montreal	0.404355
## DeveloperEA Phenomic	0.488178
## DeveloperEA Redwood Shores	0.931588
## DeveloperEA Redwood Shores, EA Salt Lake	0.173034
## DeveloperEA Salt Lake	0.163564
## DeveloperEA Seattle	0.147172
## DeveloperEA Sports	0.514724
## DeveloperEA Sports Big	0.637194
## DeveloperEA Sports, EA Vancouver	0.861406
## DeveloperEA Tiburon	0.105641
## DeveloperEagle Dynamics	0.965697
## DeveloperEden Studios	0.946100
## DeveloperEdge Entertainment, Anima Project	NA
## DeveloperEdge of Reality	0.440310
## DeveloperEdmund McMillen, Florian Himsl	0.930522
## DeveloperEgosoft	0.825566
## DeveloperEidos Interactive	0.406799
## DeveloperEidos Montreal	0.666926
## DeveloperEidos Montreal, Nixxes Software	0.580481
## DeveloperEighting	0.784052
## DeveloperEighting, Takara Tomy	0.765620
## DeveloperEighting/Raizing	0.608242
## DeveloperEK0 Software	0.744271
## DeveloperElectronic Arts	0.595722
## DeveloperElectronic Arts, EA Redwood Shores	0.711661
## DeveloperElectronic Arts, Rebellion	0.802192
## DeveloperElixir Studios	0.651499
## DeveloperEmpty Clip Studios	0.948959
## DeveloperEngine Software	0.953195
## DeveloperEnjoyUp Games	0.243506
## DeveloperEnlight Software	0.487396
## DeveloperEnsemble Studios	0.636896
## DeveloperEnterbrain	0.915115
## DeveloperEpic Games	0.507126
## DeveloperEpic Games, People Can Fly	0.622198
## DeveloperEquinoxe	0.367934
## DeveloperEtranges Libellules	0.668149
## DeveloperEugen Systems	0.685177
## DeveloperEurocom Entertainment Software	0.634703
## DeveloperEutechnyx	0.560104
## DeveloperEutechnyx, Deep Silver	0.907212
## DeveloperEvolution Studios	0.695536
## DeveloperExakt	0.514989
## DeveloperExamu	0.850600
## DeveloperExamu, Marvelous Inc.	0.398439
## DeveloperExient Entertainment	0.574946
## DeveloperExperience Inc.	0.517438
## DeveloperFactor 5	0.722569
## DeveloperFalcom	0.803322
## DeveloperFarsight Studios	0.453428
## DeveloperFASA Studio	0.507720

## DeveloperFatshark AB	0.940826
## DeveloperFeelPlus	0.890772
## DeveloperFiraxis Games	0.459920
## DeveloperFirebrand Games	0.733202
## DeveloperFireFly Studios	0.877617
## DeveloperFlagship	0.579995
## DeveloperFlagship Studios	0.663444
## DeveloperFlight-Plan	NA
## DeveloperFluid Studios	NA
## DeveloperFlying Lab Software	0.934246
## DeveloperFlying Tiger Development	0.900748
## DeveloperFox Interactive	0.136262
## DeveloperFree Radical Design	0.704594
## DeveloperFreeStyleGames	0.736034
## DeveloperFrom Software	0.628748
## DeveloperFrontier Developments	0.287989
## DeveloperFrozenbyte, Inc.	0.939221
## DeveloperFull-Fat	0.652570
## DeveloperFull Fat	0.416809
## DeveloperFUN Labs	0.690804
## DeveloperFunatics Software, Funatics	0.519052
## DeveloperFuncom	NA
## DeveloperFuRyu	0.673002
## DeveloperFuse Games Limited	0.553059
## DeveloperFusionsphere Systems, Animation Arts	0.763440
## DeveloperG-Artists	0.274330
## DeveloperG.Rev	0.806549
## DeveloperGaijin Entertainment	0.709977
## DeveloperGaijin Games	0.914452
## DeveloperGame Arts	0.645866
## DeveloperGame Freak	0.133962
## DeveloperGame Republic	0.779946
## DeveloperGame Republic, JapanStudio	0.524353
## DeveloperGame Titan	0.652756
## DeveloperGameinvest, Seed Studios, Lda	0.729203
## DeveloperGameloft	0.618819
## DeveloperGameness Art Software	0.885938
## DeveloperGaming Minds Studios	0.521379
## DeveloperGanbarion	0.748476
## DeveloperGas Powered Games	0.751720
## DeveloperGCP1	0.640114
## DeveloperGearbox Software	0.500233
## DeveloperGearbox Software, 3D Realms	0.710513
## DeveloperGenePool	0.719758
## DeveloperGenius Sonority Inc.	0.260104
## DeveloperGenki	0.696537
## DeveloperGenuine Games	0.456054
## DeveloperGhost Games	0.535208
## DeveloperGiants Software	0.457483
## DeveloperGood-Feel	0.534218
## DeveloperGood Science Studio	6.82e-07
## DeveloperGorilla Systems	0.309525
## DeveloperGrasshopper Manufacture	0.791887
## DeveloperGratuitous Games	0.644776

## DeveloperGRIN	0.843320
## DeveloperGriptonite Games	0.516963
## DeveloperGSC Game World	0.989519
## DeveloperGuerilla Cambridge	0.862671
## DeveloperGuerrilla	0.586274
## DeveloperGuildford Studio	0.659452
## DeveloperGungHo	0.933566
## DeveloperGust	0.615938
## DeveloperGusto Games	NA
## Developerh.a.n.d. Inc.	0.705178
## DeveloperHaemimont	0.840308
## DeveloperHAL Labs	0.377066
## DeveloperHAL Labs, Creatures Inc.	0.554027
## DeveloperHalfbrick Studios	0.795490
## DeveloperHarmonix Music Systems	0.377730
## DeveloperHarmonix Music Systems, Backbone Entertainment	0.854278
## DeveloperHarmonix Music Systems, Demiurge Studios	0.903078
## DeveloperHB Studios Multimedia	0.973814
## DeveloperHeadfirst Productions	0.931064
## DeveloperHeadstrong Games	0.868133
## DeveloperHeavy Iron Studios	0.561741
## DeveloperHelixe	0.093057
## DeveloperHellbent Games	0.236083
## DeveloperHello Games	NA
## DeveloperHexaDrive	0.676176
## DeveloperHigh Impact Games	0.881741
## DeveloperHigh Moon Studios	0.625926
## DeveloperHigh Moon Studios, Mercenary Technologies	0.446583
## DeveloperHigh Voltage Software	0.572364
## DeveloperHigh Voltage Software, Backbone Entertainment	0.400733
## DeveloperHitmaker	0.476902
## DeveloperHotGen	0.725300
## DeveloperHothouse Creations	0.691195
## DeveloperHousemarque	0.857789
## DeveloperHudson	0.451458
## DeveloperHudson Entertainment	0.568820
## DeveloperHudson Soft	0.448780
## DeveloperHuman Head Studios	0.569482
## DeveloperHuman Soft	0.818727
## DeveloperHumongous Entertainment	0.679463
## DeveloperHydravision	0.925103
## DeveloperHypnos	0.536885
## DeveloperHypnos Entertainment	0.373889
## DeveloperHypnotix	0.428845
## DeveloperIce-Pick Lodge	0.354231
## Developerid Software	0.784007
## Developerid Software, Nerve Software	0.379127
## Developerid Software, Raven Software	0.937511
## DeveloperIdea Factory	0.453174
## DeveloperIdea Factory, Compile Heart	0.476516
## DeveloperIdol Minds	0.695691
## DeveloperIgnition Entertainment	0.611584
## DeveloperImage Epoch, Imageepoch	0.637131
## DeveloperImmersion Software & Graphics	0.593591

## DeveloperIncinerator Games	0.242662
## DeveloperIncognito Inc.	0.725324
## DeveloperIndi	0.874110
## DeveloperIndie Built	0.307355
## DeveloperIndies Zero	0.689367
## DeveloperInevitable Entertainment	0.699439
## DeveloperInferno Games	0.703059
## DeveloperInfinite Dreams, Paragon 5	0.781715
## DeveloperInfinite Interactive	0.356598
## DeveloperInfinity Ward	0.136340
## DeveloperInfinity Ward, Sledgehammer Games	0.903780
## DeveloperInfogrames	0.879447
## DeveloperiNiS	0.270790
## DeveloperInsomniac Games	0.298557
## DeveloperIntelligent Systems	0.497806
## DeveloperInteractive Brains	0.528785
## DeveloperInterchannel	0.350502
## DeveloperInterplay	NA
## DeveloperInti	0.761691
## DeveloperInti Creates	0.693921
## DeveloperInti, Inti Creates	0.676584
## DeveloperIntroversion, Double Eleven	NA
## DeveloperInXile Entertainment	0.761405
## DeveloperIo Interactive	0.751398
## DeveloperIon Storm	0.661509
## DeveloperIR Gurus	0.739410
## DeveloperIrem	0.599272
## DeveloperIridon Interactive AB	NA
## DeveloperIron Galaxy Studios	0.364710
## DeveloperIron Lore Entertainment	0.820356
## DeveloperIsopod Labs	0.429304
## DeveloperITL	0.660983
## DeveloperIvory Tower	0.991347
## DeveloperJaleco Entertainment	0.747585
## DeveloperJellyvision, Iron Galaxy Studios	0.456765
## DeveloperJester Interactive	0.907595
## DeveloperJGI Entertainment	0.553462
## DeveloperJoWooD Entertainment AG	0.579061
## DeveloperJuice Games	0.712324
## DeveloperJunction Point	0.573774
## DeveloperJupiter Corporation	0.313482
## DeveloperK2	0.452371
## DeveloperK LLC	0.883572
## DeveloperK2, Kurogane	0.787065
## DeveloperKadokawa	0.468243
## DeveloperKalypso	0.476544
## DeveloperKaos Studios	0.625013
## DeveloperKCE Studios	0.574022
## DeveloperKCEJ	0.277194
## DeveloperKCEO	0.711631
## DeveloperKCET	0.890973
## DeveloperKeen Games	0.846747
## DeveloperKemco	0.863735
## DeveloperKing of the Jungle	NA

## DeveloperKnowWonder	0.814277
## DeveloperKoei	0.746687
## DeveloperKoei Tecmo Games	0.845929
## DeveloperKoei, Omega Force	0.542714
## DeveloperKoei/Inis	0.810728
## DeveloperKojima Productions	0.633611
## DeveloperKonami	0.812816
## DeveloperKonami Computer Entertainment Hawaii	0.554909
## DeveloperKrome Studios	0.633533
## DeveloperKrome Studios, Screenlife Games	0.844818
## DeveloperKronos Digital Entertainment	0.974677
## DeveloperKuju Entertainment	0.875552
## DeveloperKung Fu Factory	0.618812
## DeveloperKunos Simulazioni	0.931742
## DeveloperKush Games	0.576796
## DeveloperKush Games, Visual Concepts	0.306284
## DeveloperKuusou Kagaku	NA
## DeveloperKylotonn	NA
## DeveloperLarian Studios	0.655745
## DeveloperLDW, Big Fish Games	0.421202
## DeveloperLeft Field Productions	0.862329
## DeveloperLegacy Interactive	NA
## DeveloperLevel 5	0.862687
## DeveloperLevel 5, Brownie Brown	0.842735
## DeveloperLight Weight	0.965179
## DeveloperLionhead Studios	0.771081
## DeveloperLiquid Dragon Studios	NA
## DeveloperLiquid Entertainment	0.623601
## DeveloperLocomotive Games	0.625286
## DeveloperLongtail Studios	0.751797
## DeveloperLucas Learning	0.995817
## DeveloperLucasArts	0.457410
## DeveloperLucasArts, Krome Studios	0.807729
## DeveloperLucky Chicken	0.599266
## DeveloperLuxoflux, Inc.	0.320360
## DeveloperM2	0.509610
## DeveloperMachatin, Inc.	0.253382
## DeveloperMachineGames	0.843015
## DeveloperMad Doc Software, Rockstar Vancouver	0.798348
## DeveloperMagellan Interactive	NA
## DeveloperMagenta Software	0.885018
## DeveloperMagic Pockets	0.557765
## DeveloperMajesco Games, Majesco	0.945760
## DeveloperMarvelous	0.501111
## DeveloperMarvelous AQL	0.781114
## DeveloperMarvelous Entertainment	0.638259
## DeveloperMarvelous Inc.	0.595096
## DeveloperMASA Group	0.587276
## DeveloperMass Media	0.298080
## DeveloperMatrix Software	0.542112
## DeveloperMaximum Games	0.745239
## DeveloperMaxis	0.174315
## DeveloperMedia Molecule	0.388312
## DeveloperMedia Molecule, United Front Games	0.623067

## DeveloperMedia Vision	0.763639
## DeveloperMediascape, CUBETYPE	0.326656
## DeveloperMekensleep	0.625946
## DeveloperMelbourne House	0.489676
## DeveloperMercury Steam	0.935266
## DeveloperMetanet Software Inc., SilverBirch Studios	0.756342
## DeveloperMetro	0.676300
## DeveloperMetro Graphics	0.820063
## DeveloperMetro3D	0.698874
## DeveloperMicro Cabin	0.745759
## DeveloperMicroids	NA
## DeveloperMicrosoft Game Studios	0.917365
## DeveloperMicrovision	0.436199
## DeveloperMidway	0.367352
## DeveloperMidway Studios - Austin	0.517458
## DeveloperMidway Studios - Los Angeles	0.242119
## DeveloperMidway Studios - San Diego	0.859303
## DeveloperMilestone S.r.l	0.695123
## DeveloperMilestone, Milestone S.r.l	0.435342
## DeveloperMindware Studios	0.874229
## DeveloperMistic Software	0.976720
## DeveloperMistwalker, Artoon	0.636283
## DeveloperMitchell	0.701177
## DeveloperMix Max	0.855754
## DeveloperMobius Entertainment	0.840158
## DeveloperMonkey Bar Games	0.711069
## DeveloperMonolith Productions	0.733770
## DeveloperMonolith Soft	0.618197
## DeveloperMonolith Soft, Banpresto	0.467662
## DeveloperMonolith Soft, Namco Bandai Games	0.812884
## DeveloperMonster Games Inc.	0.719610
## DeveloperMonte Cristo Multimedia	0.449052
## DeveloperMonumental Games	0.992923
## DeveloperMoss	NA
## DeveloperMTO	0.316140
## DeveloperMucky Foot Productions	0.678478
## Developern-Space	0.566516
## DeveloperNadeo	0.861504
## DeveloperNamco	0.494249
## DeveloperNamco Bandai Games	0.646362
## DeveloperNamco Bandai Games America	0.882952
## DeveloperNamco Bandai Games America, Namco Bandai Games	0.638218
## DeveloperNamco Bandai Games, Cellius	0.568878
## DeveloperNamco Bandai Games, Monkey Bar Games	0.629813
## DeveloperNanaOn-Sha	0.834805
## DeveloperNaps Team	NA
## DeveloperNatsume	0.585484
## DeveloperNaughty Dog	0.404982
## DeveloperNaughty Dog, Sony Bend	0.680956
## DeveloperNautilus	0.729840
## DeveloperNd Cube	0.782468
## DeveloperNeko Entertainment	0.952128
## DeveloperNeon Studios, Kaiko	0.376535
## DeveloperNerve Software	0.560281

## DeveloperNetherock Ltd.	0.663273
## DeveloperNetherRealm Studios	0.564725
## DeveloperNeverland	0.916576
## DeveloperNeversoft Entertainment	0.362118
## DeveloperNew	0.994994
## DeveloperNex Entertainment	0.721226
## DeveloperNext Level Games	0.450577
## DeveloperNightlight Studios	0.752064
## DeveloperNihilistic	0.462356
## DeveloperNikitova Games	0.738676
## DeveloperNinja Studio	0.727114
## DeveloperNinja Theory	0.802744
## DeveloperNintendo	0.214280
## DeveloperNintendo EAD Tokyo	0.389023
## DeveloperNintendo, Camelot Software Planning	0.689054
## DeveloperNintendo, Headstrong Games	0.765103
## DeveloperNintendo, Namco Bandai Games	0.664502
## DeveloperNintendo, Nd Cube	0.656927
## DeveloperNippon Ichi Software	0.713971
## DeveloperNitro Games	0.194908
## DeveloperNitro+	0.728998
## DeveloperNixxes Software	0.772798
## DeveloperNoise Factory	0.572203
## DeveloperNoise Inc.	0.702297
## DeveloperNordic Games Publishing	0.565728
## DeveloperNovarama	0.744869
## DeveloperNow Production	0.545008
## DeveloperNtreev Soft	NA
## DeveloperNuevo Retro Games	0.153035
## DeveloperNuFX	0.661452
## DeveloperNumber None Inc., Knockout Games	NA
## DeveloperObsidian Entertainment	0.343824
## DeveloperOddworld Inhabitants	0.623661
## Developerodenis studio	0.530469
## DeveloperOffice Create	0.468587
## DeveloperOmega Force	0.733400
## DeveloperOmega Force, Koei Canada	0.600642
## DeveloperOmega Force, Koei Tecmo Games	0.726232
## DeveloperOmiya Soft, Jamsworks	0.782617
## DeveloperOpus	0.891997
## DeveloperOpus Studio	0.345886
## DeveloperOpus, Project Sora	0.732687
## DeveloperOrbital Media, Inc.	0.921569
## DeveloperOsiris Studios	0.826484
## DeveloperOutrage Games	0.733340
## DeveloperOverkill Software	0.516970
## DeveloperOverworks	0.802086
## DeveloperPacific Coast Power & Light	0.650507
## DeveloperPage 44 Studios	0.682454
## DeveloperPam Development	0.828204
## DeveloperPandemic Studios	0.633436
## DeveloperPaon Corporation	0.942224
## DeveloperPapaya Studios	0.557589
## DeveloperParadigm Entertainment	0.769638

## DeveloperParadox Development	0.642596
## DeveloperParadox Development Studio	0.257809
## DeveloperParadox Interactive	NA
## DeveloperPeople Can Fly	0.830057
## DeveloperPetroglyph	0.764450
## DeveloperPhosphor Games Studio, LLC	0.596397
## DeveloperPipe Dream Interactive	0.648766
## DeveloperPipeworks Software, Inc.	0.296689
## DeveloperPiranha Bytes	0.872281
## DeveloperPiranha Games	0.350910
## DeveloperPitbull Syndicate	0.307487
## DeveloperPivotal Games	0.781409
## DeveloperPlanet Moon Studios	0.742250
## DeveloperPlatinum Egg	0.559753
## DeveloperPlatinumGames	0.627988
## DeveloperPlayground Games	0.998568
## DeveloperPLAYGROUND, Playground Games	0.995192
## DeveloperPlaystos Entertainment	0.948972
## DeveloperPocket Studios	0.046745
## DeveloperPocketeers	0.389571
## DeveloperPoint of View	0.654470
## DeveloperPolygon Magic	0.520133
## DeveloperPolyphony Digital	0.378104
## DeveloperPopCap	0.562539
## DeveloperPopTop Software	0.703913
## DeveloperProject Aces	0.518116
## DeveloperProject Soul	0.518847
## DeveloperProkion	0.672457
## DeveloperPropaganda Games	0.262078
## DeveloperPrope	0.733900
## DeveloperPrope, Kadokawa	0.540217
## DeveloperPseudo Interactive	0.613525
## DeveloperPsygnosis	0.682759
## DeveloperPsytronix	0.866849
## DeveloperPterodon	0.824737
## DeveloperPuzzleKings	0.651490
## DeveloperPyramid	0.362173
## DeveloperPyro Studios	0.494952
## DeveloperQ-Games	0.362880
## DeveloperQ Entertainment	0.697233
## DeveloperQuantic Dream	0.924148
## DeveloperQuest	0.736064
## DeveloperRacjin	0.427518
## DeveloperRadical Entertainment	0.533135
## DeveloperRage Software	NA
## DeveloperRainbow Studios	0.141576
## DeveloperRare Ltd.	0.774164
## DeveloperRare Ltd., BigPark	0.401107
## DeveloperRaster	0.735230
## DeveloperRatbag	0.537694
## DeveloperRaven Software	0.383943
## DeveloperRaylight Studios	0.533669
## DeveloperRazorworks Studios	0.478167
## DeveloperReady at Dawn	0.592114

## DeveloperRealism Ltd	0.230419
## DeveloperReality Pump	0.853967
## DeveloperRealtime Worlds	0.842995
## DeveloperRebellion	0.646362
## DeveloperRED Entertainment	0.133104
## DeveloperRED Entertainment, Artdink	0.426703
## DeveloperRed Fly Studio	0.537317
## DeveloperRed Storm Entertainment	0.406684
## DeveloperRed Storm Entertainment, Ubisoft Montreal	0.738870
## DeveloperRed Tribe	0.654040
## DeveloperRed Zone Entertainment	0.703094
## DeveloperRedLynx	0.646983
## DeveloperReflections Interactive	0.592583
## DeveloperRelated Designs	0.464159
## DeveloperRelic	0.829386
## DeveloperReloaded Productions, Reloaded Games Inc.	0.787423
## DeveloperRemedy Entertainment	0.872263
## DeveloperRenegade Kid	0.958796
## DeveloperRespawn Entertainment	0.473446
## DeveloperRetro Studios	0.456517
## DeveloperRFX Interactive	0.626232
## DeveloperRitual Entertainment, Avalanche Software	0.397485
## DeveloperRobomodo	0.426090
## DeveloperRockstar Leeds	0.869309
## DeveloperRockstar London	0.692761
## DeveloperRockstar North	0.680233
## DeveloperRockstar San Diego	0.522459
## DeveloperRockstar Studios	0.992318
## DeveloperRockstar Toronto	0.738824
## DeveloperRockstar Toronto, Rockstar Leeds	0.447820
## DeveloperRocksteady Studios	0.431679
## DeveloperRocksteady Studios, Iron Galaxy Studios	0.309111
## DeveloperRonin Entertainment	0.683376
## DeveloperRuntime	NA
## DeveloperRyu ga Gotoku Studios	0.587522
## DeveloperS-Neo	NA
## DeveloperSabertooth Games	0.475482
## DeveloperSaffire	0.623689
## DeveloperSand Grain Studios	0.589750
## DeveloperSandlot	0.702027
## DeveloperSanta Cruz Games	0.524852
## DeveloperSanta Entertainment	NA
## DeveloperSanzaru Games	0.410717
## DeveloperSanzaru Games, Sanzaru Games, Inc.	0.640118
## DeveloperSCE Japan Studio	0.888669
## DeveloperSCE Japan Studio, comcept	0.548364
## DeveloperSCE Santa Monica	0.381117
## DeveloperSCE Studio Cambridge	0.835872
## DeveloperSCE/WWS, Media Molecule	0.758460
## DeveloperSCEA	0.424275
## DeveloperSCEA San Diego Studios	0.259442
## DeveloperSCEA Sports Studio	0.338949
## DeveloperSCEA, Sims	0.187657
## DeveloperSCEE	0.775302

## DeveloperSCEE London Studio	0.791346
## DeveloperSCEI	0.600029
## DeveloperSCEJ	0.557221
## DeveloperSCI	0.574068
## DeveloperScreenlife Games, WXP	0.626959
## DeveloperSecret Level	0.507977
## DeveloperSecret Stash Games	0.378992
## DeveloperSega	0.581694
## DeveloperSega AM2	0.475280
## DeveloperSega AM3	0.747221
## DeveloperSega Studios San Francisco	0.665440
## DeveloperSega, Dimps Corporation	0.511243
## DeveloperSega, Sonic Team	0.496022
## DeveloperSensory Sweep	NA
## DeveloperSeta Corporation	0.818120
## DeveloperSeven45 Studios	0.931191
## DeveloperShaba Games	0.626695
## DeveloperShade	0.803342
## DeveloperShift	0.739577
## DeveloperShin'en	0.718208
## DeveloperShiny Entertainment	0.265416
## DeveloperSidhe Interactive	0.576339
## DeveloperSilicon Knights	0.605998
## DeveloperSilicon Studio	0.768307
## DeveloperSimBin	0.921986
## DeveloperSimon & Schuster	0.363580
## DeveloperSkyRiver Studios	0.672367
## DeveloperSlant Six	0.454631
## DeveloperSledgehammer Games	0.437132
## DeveloperSlightly Mad Studios	NA
## DeveloperSmart Bomb Interactive	0.561501
## DeveloperSmilebit	0.667266
## DeveloperSnap Dragon Games	NA
## DeveloperSNK	0.515807
## DeveloperSNK Playmore	0.456669
## DeveloperSnowblind Studios	0.423232
## DeveloperSonic Team	0.303140
## DeveloperSonnori	0.451628
## DeveloperSony Bend	0.625459
## DeveloperSony Interactive Entertainment	0.595503
## DeveloperSony Online Entertainment	0.584832
## DeveloperSpark Unlimited	0.617888
## DeveloperSpellbound	0.696922
## DeveloperSpicy Horse	0.695786
## DeveloperSpiders	0.431749
## DeveloperSpidersoft, Spiders	0.434207
## DeveloperSpike	0.623593
## DeveloperSpike Chunsoft	0.620433
## DeveloperSpike Chunsoft Co. Ltd., Spike Chunsoft	0.584628
## DeveloperSpike Chunsoft, Chime	0.791957
## DeveloperSpike, Namco Bandai Games	0.750129
## DeveloperSplash Damage	0.894401
## DeveloperSplash Damage, The Coalition	0.048067
## DeveloperSports Interactive	0.311973

## DeveloperSquare Enix	0.544401
## DeveloperSquare Enix, Tri-Ace	0.784948
## DeveloperSquareSoft	0.072668
## DeveloperSScholastic Media	NA
## DeveloperStainless Games	0.601747
## DeveloperStarbreeze	0.980430
## DeveloperStarsphere Interactive	0.734273
## DeveloperStill Alive Studios	NA
## DeveloperSting	0.560170
## DeveloperStormfront Studios	0.791260
## DeveloperStormregion	0.523461
## DeveloperStrangelite	0.675766
## DeveloperStudio Gigante	0.440404
## DeveloperStudio Liverpool	0.807338
## DeveloperStudio Saizensen	NA
## DeveloperSubterranean Games	0.627675
## DeveloperSuccess	NA
## DeveloperSucker Punch	0.214858
## DeveloperSumo Digital	0.842859
## DeveloperSun-Tec	0.863869
## DeveloperSunrise Interactive	0.810337
## DeveloperSunSoft	0.866710
## DeveloperSuper Empire	0.956629
## DeveloperSuperBot Entertainment	0.506664
## DeveloperSuperMassive Games	0.616412
## DeveloperSuperVillain Studios	0.642723
## DeveloperSurreal Software	0.546723
## DeveloperSuzak	0.616065
## DeveloperSwingin' Ape	0.959012
## DeveloperSwordfish Studios	0.956501
## Developersyn Sophia	0.685531
## DeveloperSynetic	0.435945
## DeveloperTaito Corporation	0.440943
## DeveloperTaito Corporation, 505 Games	0.456697
## DeveloperTakara	0.843973
## DeveloperTakara Tomy	0.833548
## DeveloperTake-Two Interactive	0.717771
## DeveloperTamsoft	0.773370
## DeveloperTango Frameworks	0.982624
## DeveloperTaniko	0.693142
## DeveloperTantalus Interactive	0.714052
## DeveloperTate Interactive	0.769250
## DeveloperTeam 17	0.751164
## DeveloperTeam 17, Two Tribes	0.859307
## DeveloperTeam Bondi	0.936698
## DeveloperTeam Fusion	0.705941
## DeveloperTeam Ninja	0.713924
## DeveloperTechland	0.550602
## DeveloperTecmo	0.887859
## DeveloperTecmo Koei Canada	0.731021
## DeveloperTelenet	0.744525
## DeveloperTelltale Games	0.476081
## DeveloperTenky	0.654879
## DeveloperTerminal Reality	0.564070

## DeveloperTetris Online, Inc	0.676090
## DeveloperTeyon	0.561289
## DeveloperThatGameCompany	0.726918
## DeveloperThe Behemoth	NA
## DeveloperThe Fun Pimps Entertainment LLC	0.253671
## DeveloperThe Game Factory	0.430953
## DeveloperThe Sims Studio	0.253304
## DeveloperThe Workshop	0.634029
## DeveloperTHQ	0.684397
## DeveloperTHQ Digital Studio Phoenix	0.437242
## DeveloperTHQ, 1C, 1C Company	NA
## DeveloperTHQ, Yuke's	0.490067
## DeveloperTilted Mill	0.628293
## DeveloperTimeGate Studios	0.945636
## DeveloperTitus Software	0.653622
## DeveloperToka	0.930433
## DeveloperTop Heavy Studios	0.813979
## DeveloperTorus Games	0.200074
## DeveloperTOSE	0.317734
## DeveloperTose Software	0.868590
## DeveloperTouchdown Entertainment	NA
## DeveloperTOYBOX	NA
## DeveloperToys for Bob	0.379730
## DeveloperTranji	0.990199
## DeveloperTransmission Games	0.741643
## DeveloperTraveller's Tales	0.596186
## DeveloperTreasure	0.671315
## DeveloperTreyarch	0.272270
## DeveloperTreyarch, Shaba Games	0.650695
## DeveloperTreyarch, Sledgehammer Games	0.484919
## DeveloperTri-Ace	0.605169
## DeveloperTri-Crescendo	0.704175
## DeveloperTrickstar Games	0.417175
## DeveloperTrion Worlds	0.426015
## DeveloperTripwire Interactive	NA
## DeveloperTriumph Studios	0.623430
## DeveloperTT Fusion	0.334696
## DeveloperTT Games	0.590811
## DeveloperTurn 10	0.448088
## DeveloperTurtle Rock Studios	0.539486
## DeveloperTwisted Pixel Games	0.958543
## DeveloperUbisoft	0.408460
## DeveloperUbisoft Barcelona	0.852243
## DeveloperUbisoft Bulgaria	0.560552
## DeveloperUbisoft Casablanca	0.572902
## DeveloperUbisoft Milan	0.584416
## DeveloperUbisoft Montpellier	0.717798
## DeveloperUbisoft Montreal	0.534238
## DeveloperUbisoft Paris	0.363159
## DeveloperUbisoft Quebec	0.467578
## DeveloperUbisoft Reflections, Ivory Tower	0.892947
## DeveloperUbisoft Romania	0.801633
## DeveloperUbisoft Shanghai	0.580266
## DeveloperUbisoft Toronto	0.558507

## DeveloperUbisoft Vancouver	0.823144
## DeveloperUbisoft, FunHouse	0.599457
## DeveloperUbisoft, Ubisoft Montreal	0.237888
## DeveloperUBLart Montpellier	0.996060
## DeveloperUDS	0.996007
## DeveloperUGA	NA
## DeveloperUnigine Corp, Russia	NA
## DeveloperUnited Front Games	0.836201
## DeveloperValhalla Game Studios	0.761378
## DeveloperValuewave Co.,Ltd.	0.705227
## DeveloperValve Software	0.289098
## DeveloperVanguard	0.725783
## DeveloperVanilla Ware	0.711008
## DeveloperVanillaware	0.618824
## DeveloperVenan Entertainment, Cashmere Prod.	0.781033
## DeveloperVenom Games	0.887701
## DeveloperVicarious Visions	0.401053
## DeveloperVicious Cycle	0.536808
## DeveloperVictor Interactive Software	0.811394
## DeveloperVigil Games	0.575324
## DeveloperVirtuos	0.635303
## DeveloperVIS Entertainment	0.733508
## DeveloperVisceral Games	0.481464
## DeveloperVisual Concepts	0.293855
## DeveloperVisual Impact	0.664765
## DeveloperVisual Sciences	0.933003
## DeveloperVivarium	0.551717
## DeveloperVivendi Games	0.897302
## DeveloperVogster	0.632381
## DeveloperVolatile Games	0.796571
## DeveloperVolition Inc.	0.681051
## DeveloperVSTEP	0.518456
## DeveloperWargaming.net	0.421430
## DeveloperWarner Bros. Interactive Entertainment	0.891579
## DeveloperWarner Bros. Interactive Entertainment, NetherRealm Studios	0.292078
## DeveloperWarthog	0.719364
## DeveloperWayForward	0.514809
## DeveloperWBIE	0.272028
## DeveloperWebfoot Technologies	0.121335
## DeveloperWicked Witch Software	NA
## DeveloperWideload Games Inc.	0.612291
## DeveloperWideScreen Games	0.727471
## DeveloperWinkySoft	0.760955
## DeveloperWizardbox	NA
## DeveloperWow Entertainment	0.587735
## DeveloperWXP	0.692263
## DeveloperXpec	0.601490
## DeveloperYacht Club Games	NA
## DeveloperYager	0.833929
## DeveloperYuke's	0.549086
## DeveloperZ-Axis, Ltd.	0.576061
## DeveloperZed Two Limited	0.494906
## DeveloperZen Studios	0.632966
## DeveloperZener Works	0.890375

## DeveloperZeniMax Media	0.697194
## DeveloperZerodiv	0.661108
## DeveloperZipper Interactive	0.053455
## DeveloperZoe Mode	0.427054
## DeveloperZombie Studios	0.627412
## DeveloperZoom	0.835110
## DeveloperZootFly	0.811913
## sqrtEU_Sales	< 2e-16
## invJP_Sales	0.006308
## sqrtOther_Sales	< 2e-16
## Year_of_Release	2.16e-06
##	
## (Intercept)	***
## GenreAdventure	
## GenreFighting	
## GenreMisc	.
## GenrePlatform	*
## GenrePuzzle	
## GenreRacing	
## GenreRole-Playing	
## GenreShooter	
## GenreSimulation	
## GenreSports	
## GenreStrategy	**
## sqUser_Score	***
## sqCritic_Score	**
## PlatformDC	**
## PlatformDS	
## PlatformGBA	
## PlatformGC	.
## PlatformPC	***
## PlatformPS	
## PlatformPS2	*
## PlatformPS3	*
## PlatformPS4	***
## PlatformPSP	*
## PlatformPSV	***
## PlatformWii	*
## PlatformWiiU	
## PlatformX360	**
## PlatformXB	
## PlatformXOne	
## Publisher2D Boy	
## Publisher3DO	
## Publisher505 Games	
## Publisher5pb	
## PublisherAcclaim Entertainment	
## PublisherAcquire	
## PublisherActivision	
## PublisherActivision Blizzard	
## PublisherActivision Value	
## PublisherAgatsuma Entertainment	
## PublisherAgetec	
## PublisherAksys Games	

```
## PublisherAlternative Software
## PublisherAqua Plus
## PublisherArc System Works
## PublisherASCII Entertainment
## PublisherAspyr
## PublisherAstragon
## PublisherAtari
## PublisherAtlas
## PublisherAvalon Interactive
## PublisherAvanquest
## PublisherBAM! Entertainment
## PublisherBanpresto
## PublisherBethesda Softworks
## PublisherBigben Interactive
## PublisherBlack Bean Games
## PublisherBlack Label Games
## PublisherBohemia Interactive
## PublisherBrash Entertainment
## PublisherCapcom
## PublisherCCP
## PublisherCity Interactive
## PublisherCloud Imperium Games Corporation
## PublisherCodemasters
## PublisherCompile Heart
## PublisherCrave Entertainment
## PublisherCrimson Cow
## PublisherCrytek
## PublisherD3Publisher
## PublisherDaedalic
## PublisherDeep Silver
## PublisherDestination Software, Inc
## PublisherDestineer
## PublisherDevolver Digital
## PublisherDisney Interactive Studios
## PublisherDreamCatcher Interactive
## PublisherDTP Entertainment
## PublisherDusenberry Martin Racing
## PublisherEA Games
## PublisherEidos Interactive
## PublisherElectronic Arts
## PublisherEmpire Interactive
## PublisherEncore
## PublisherEnix Corporation
## PublisherEnterbrain
## PublisherEvolved Games
## PublisherFalcom Corporation
## PublisherFlashpoint Games
## PublisherFocus Home Interactive
## PublisherFrom Software
## PublisherFunbox Media
## PublisherFuncom
## PublisherFuRyu
## PublisherGame Factory
## PublisherGamebridge
```

```
## PublisherGamecock
## PublisherGathering of Developers
## PublisherGearbox Software
## PublisherGenki
## PublisherGhostlight
## PublisherGlobal Star
## PublisherGotham Games
## PublisherGroove Games
## PublisherGT Interactive
## PublisherGungHo
## PublisherHarmonix Music Systems
## PublisherHasbro Interactive
## PublisherHello Games
## PublisherHip Interactive
## PublisherHome Entertainment Suppliers
## PublisherHudson Entertainment
## PublisherHudson Soft
## PublisherHuman Entertainment
## PublisherIceberg Interactive
## PublisherIdea Factory
## PublisherIdea Factory International
## PublisherIgnition Entertainment
## PublisherIndie Games
## PublisherInfogrames
## PublisherInsomniac Games
## PublisherInterplay
## PublisherIntroversion Software
## PublisherJaleco
## PublisherJester Interactive
## PublisherJoWood Productions
## PublisherKadokawa Shoten
## PublisherKalypso Media
## PublisherKemco
## PublisherKoch Media
## PublisherKonami Digital Entertainment
## PublisherLighthouse Interactive
## PublisherLittle Orbit
## PublisherLucasArts
## PublisherMajesco Entertainment
## PublisherMamba Games
## PublisherMarvelous Entertainment
## PublisherMarvelous Interactive
## PublisherMastertronic
## PublisherMastiff
## PublisherMC2 Entertainment
## PublisherMercury Games
## PublisherMetro 3D
## PublisherMicrods
## PublisherMicrosoft Game Studios
## PublisherMidas Interactive Entertainment
## PublisherMidway Games
## PublisherMilestone S.r.l
## PublisherMilestone S.r.l.
## PublisherMindscape
```

```
## PublisherMonte Christo Multimedia
## PublisherMoss
## PublisherMTV Games
## PublisherMud Duck Productions
## PublisherN/A
## PublisherNamco Bandai Games
## PublisherNatsume
## PublisherNavarre Corp
## PublisherNCSoft
## PublisherNDA Productions
## PublisherNewKidCo
## PublisherNintendo
## PublisherNippon Ichi Software
## PublisherNobilis
## PublisherNordic Games
## PublisherNovaLogic
## PublisherNumber None
## PublisherO-Games
## Publisher03 Entertainment
## PublisherParadox Interactive
## PublisherPhantagram
## PublisherPlay It
## PublisherPlaylogic Game Factory
## PublisherPopCap Games
## PublisherPopcorn Arcade
## PublisherPQube
## PublisherPsygnosis
## PublisherRage Software
## PublisherRebellion
## PublisherRebellion Developments
## PublisherRedOctane
## PublisherReef Entertainment
## PublisherRising Star Games
## PublisherRussel
## PublisherSammy Corporation
## PublisherScholastic Inc.
## PublisherSCi
## PublisherScreenlife
## PublisherSega
## PublisherSlightly Mad Studios
## PublisherSNK
## PublisherSold Out
## PublisherSony Computer Entertainment
## PublisherSony Computer Entertainment America
## PublisherSony Computer Entertainment Europe
## PublisherSony Online Entertainment
## PublisherSouthPeak Games
## PublisherSpike
## PublisherSquare Enix
## PublisherSquare Enix
## PublisherSquareSoft
## PublisherSting
## PublisherSuccess
## PublisherSwing! Entertainment
```

```
## PublisherSystem 3 Arcade Software
## PublisherTaito
## PublisherTakara Tomy
## PublisherTake-Two Interactive
## PublisherTDK Mediactive
## PublisherTecmo Koei
## PublisherTelltale Games
## PublisherTHQ
## PublisherTitus
## PublisherTouchstone
## PublisherTripwire Interactive
## PublisherTru Blu Entertainment
## PublisherUbisoft
## PublisherUbisoft Annecy
## PublisherUniversal Interactive
## PublisherUnknown
## PublisherValve Software
## PublisherVirgin Interactive
## PublisherVivendi Games
## PublisherWanadoo
## PublisherWargaming.net
## PublisherWarner Bros. Interactive Entertainment
## PublisherWhite Park Bay Software
## PublisherXplosiv
## PublisherXS Games
## PublisherXseed Games
## PublisherYacht Club Games
## PublisherZoo Digital Publishing
## PublisherZoo Games
## PublisherZushi Games
## Developer1C, 1C Company
## Developer1C, Ino-Co, 1C Company
## Developer1C: Maddox Games
## Developer1C:Ino-Co
## Developer2015
## Developer2D Boy
## Developer2K Australia
## Developer2K Czech
## Developer2K Games
## Developer2K Marin
## Developer2K Sports
## Developer2XL Games
## Developer343 Industries
## Developer3d6 Games
## Developer3DO
## Developer49Games
## Developer4A Games
## Developer4J Studios
## Developer5pb
## Developer5TH Cell
## Developer7 Studios
## Developer8ing/Raizing
## Developer989 Sports
## DeveloperAccess Games
```

\*\*

```
## DeveloperAcclaim
## DeveloperAcclaim Studios Austin
## DeveloperAcclaim Studios Cheltenham
## DeveloperAcquire
## DeveloperActivision
## DeveloperAdrenium
## DeveloperAI
## DeveloperAirtight Games
## DeveloperAkella
## DeveloperAki Corp.
## DeveloperAlfa System
## DeveloperAlphadream Corporation
## DeveloperAmanita Design
## DeveloperAmaze
## DeveloperAmaze Entertainment
## DeveloperAmbrella
## DeveloperAmbrella, The Pokemon Company
## DeveloperAmusement Vision
## DeveloperAmuze
## DeveloperAnchor
## DeveloperAngel Studios
## DeveloperAnimation Arts
## DeveloperAppaloosa Interactive
## DeveloperAQ Interactive
## DeveloperArc System Works
## DeveloperArenaNet
## DeveloperArgonaut Games
## DeveloperArika
## DeveloperArkane Studios
## DeveloperArkedo Studio
## DeveloperArmature Studio
## DeveloperArt
## DeveloperArtefacts Studio
## DeveloperArtePiazza
## DeveloperArtificial Mind and Movement
## DeveloperArtificial Mind and Movement, EA Redwood Shores
## DeveloperArtificial Studios, Immersion Software & Graphics
## DeveloperArtoon
## DeveloperArzest
## DeveloperAscaron Entertainment GmbH, Ascaron Entertainment
## DeveloperAsobo Studio
## DeveloperAspect
## DeveloperAspyr
## DeveloperAtari
## DeveloperAtari, Slightly Mad Studios, Atari SA
## DeveloperAtlas
## DeveloperAtlas Co.
## DeveloperAtomic Games
## DeveloperAtomic Motion
## DeveloperAtomic Planet Entertainment
## DeveloperAttention To Detail
## DeveloperAutumn Moon
## DeveloperAvalanche Software
## DeveloperAvalanche Studios
```

```
## DeveloperAvalon Style
## DeveloperAWE Games
## DeveloperAwesome Play Ltd.
## DeveloperAwesome Studios
## DeveloperBabylon Software
## DeveloperBackbone Entertainment
## DeveloperBam Entertainment
## DeveloperBandai
## DeveloperBandai Namco Games
## DeveloperBandai Namco Games, Artdink
## DeveloperBanpresto, SoftMax
## DeveloperBarnhouse Effect
## DeveloperBattlefront.com, 1C, 1C Company
## DeveloperBec
## DeveloperBeenox
## DeveloperBehaviour Interactive
## DeveloperBeluga Computer
## DeveloperBest Way
## DeveloperBethesda Game Studios
## DeveloperBethesda Softworks
## DeveloperBeyond Games
## DeveloperBig Ant Studios
## DeveloperBig Blue Box
## DeveloperBig Blue Bubble Inc.
## DeveloperBig Huge Games
## DeveloperBig Red Software
## DeveloperBig Sky Software
## DeveloperBigbig Studios
## DeveloperBionic Games
## DeveloperBioWare
## DeveloperBioWare, Demiurge Studios
## DeveloperBits Studios
## DeveloperBizarre Creations
## DeveloperBlack Box
## DeveloperBlack Hole Games
## DeveloperBlack Isle Studios
## DeveloperBlack Lantern Studios
## DeveloperBlack Ops Entertainment
## DeveloperBlack Rock Studio
## DeveloperBlack Sea Studios
## DeveloperBlack Ship Games
## DeveloperBlade Interactive
## DeveloperBlitz Games
## DeveloperBlitz Games Studios
## DeveloperBlizzard Entertainment
## DeveloperBlizzard North
## DeveloperBlue Byte
## DeveloperBlue Byte, Related Designs
## DeveloperBlue Castle Games
## DeveloperBlue Omega
## DeveloperBlue Shift
## DeveloperBlue Tongue
## DeveloperBlue Tongue Entertainment
## DeveloperBluepoint Games
```

\*\*

```
## DeveloperBlueshift
## DeveloperBohemia Interactive
## DeveloperBongfish
## DeveloperBoston Animation
## DeveloperBottleRocket Entertainment
## DeveloperBrain Toys
## DeveloperBrainbox Games
## DeveloperBrash Entertainment
## DeveloperBudCat
## DeveloperBugbear
## DeveloperBullets
## DeveloperBungie
## DeveloperBungie Software
## DeveloperBungie Software, Bungie *
## DeveloperBuzz Monkey
## DeveloperBuzz Monkey, EA Montreal
## DeveloperCamelot Software Planning
## DeveloperCamouflaj, LLC
## DeveloperCapcom
## DeveloperCapcom Vancouver
## DeveloperCapcom, Pipeworks Software, Inc.
## DeveloperCAProduction
## DeveloperCareer Soft
## DeveloperCat Daddy Games
## DeveloperCattle Call
## DeveloperCauldron Ltd.
## DeveloperCavia Inc.
## DeveloperCCP
## DeveloperCD Projekt Red Studio
## DeveloperChunSoft
## DeveloperCing
## DeveloperCity Interactive
## DeveloperCity Interactive, Deck 13
## DeveloperClap Hanz
## DeveloperClimax Entertainment
## DeveloperClimax Group
## DeveloperClimax Group, Climax Studios
## DeveloperClimax Studios
## DeveloperClover Studio
## DeveloperCodemasters
## DeveloperCodemasters Birmingham
## DeveloperCollision Studios
## DeveloperColossal Order
## DeveloperCompile Heart
## DeveloperCompulsion Games
## DeveloperComputer Artworks
## DeveloperContraband Entertainment
## DeveloperCooking Mama Limited
## DeveloperCore Design Ltd.
## DeveloperCoresoft
## DeveloperCoyote Developments
## DeveloperCranky Pants Games
## DeveloperCrave
## DeveloperCrawfish Interactive
```

```
## DeveloperCreat Studios
## DeveloperCreative Assembly
## DeveloperCreatures Inc.
## DeveloperCrispy's
## DeveloperCriterion Games
## DeveloperCroteam
## DeveloperCryptic Studios
## DeveloperCrystal Dynamics
## DeveloperCrystal Dynamics, Nixxes Software
## DeveloperCrytek
## DeveloperCunning Developments
## DeveloperCyan Worlds
## DeveloperCyanide
## DeveloperCyanide, Cyanide Studios
## DeveloperCyberConnect2
## DeveloperCyberConnect2, Racjin
## DeveloperCyberlore Studios
## DeveloperDaedalic Entertainment
## DeveloperDarkworks
## DeveloperData Design Interactive
## DeveloperDavid A. Palmer Productions
## DeveloperDay 1 Studios
## DeveloperDC Studios
## DeveloperDeadline Games
## DeveloperDeck 13
## DeveloperDeep Red
## DeveloperDeep Silver
## DeveloperDeep Silver Dambuster Studios
## DeveloperDeep Silver, Sproing Interactive Media, Sproing
## DeveloperDeibus Studios
## DeveloperDelphine Software International
## DeveloperDestination Software
## DeveloperDestineer
## DeveloperDigital Eclipse
## DeveloperDigital Embryo
## DeveloperDigital Extremes
## DeveloperDigital Extremes, 2K Marin
## DeveloperDigital Illusions
## DeveloperDimps Corporation
## DeveloperDimps Corporation, Namco Bandai Games
## DeveloperDimps Corporation, Sonic Team
## DeveloperDisney Interactive
## DeveloperDisney Interactive Studios
## DeveloperDMA Design
## DeveloperDONTNOD Entertainment
## DeveloperDouble Fine Productions
## DeveloperDouble Helix Games
## DeveloperDreamcatcher
## DeveloperDreamFactory
## DeveloperDreamworks Games
## DeveloperDreamworks Interactive
## DeveloperDTP Entertainment
## DeveloperDusenberry Martin Racing
## DeveloperEA Black Box
```

```
## DeveloperEA Bright Light
## DeveloperEA Canada
## DeveloperEA Canada, EA Vancouver
## DeveloperEA Chicago
## DeveloperEA DICE
## DeveloperEA Games
## DeveloperEA Japan Studio
## DeveloperEA LA
## DeveloperEA Montreal
## DeveloperEA Phenomic
## DeveloperEA Redwood Shores
## DeveloperEA Redwood Shores, EA Salt Lake
## DeveloperEA Salt Lake
## DeveloperEA Seattle
## DeveloperEA Sports
## DeveloperEA Sports Big
## DeveloperEA Sports, EA Vancouver
## DeveloperEA Tiburon
## DeveloperEagle Dynamics
## DeveloperEden Studios
## DeveloperEdge Entertainment, Anima Project
## DeveloperEdge of Reality
## DeveloperEdmund McMillen, Florian Himsl
## DeveloperEgosoft
## DeveloperEidos Interactive
## DeveloperEidos Montreal
## DeveloperEidos Montreal, Nixxes Software
## DeveloperEighting
## DeveloperEighting, Takara Tomy
## DeveloperEighting/Raizing
## DeveloperEKO Software
## DeveloperElectronic Arts
## DeveloperElectronic Arts, EA Redwood Shores
## DeveloperElectronic Arts, Rebellion
## DeveloperElixir Studios
## DeveloperEmpty Clip Studios
## DeveloperEngine Software
## DeveloperEnjoyUp Games
## DeveloperEnlight Software
## DeveloperEnsemble Studios
## DeveloperEnterbrain
## DeveloperEpic Games
## DeveloperEpic Games, People Can Fly
## DeveloperEquinoxe
## DeveloperEtranges Libellules
## DeveloperEugen Systems
## DeveloperEurocom Entertainment Software
## DeveloperEutechnyx
## DeveloperEutechnyx, Deep Silver
## DeveloperEvolution Studios
## DeveloperExakt
## DeveloperExamu
## DeveloperExamu, Marvelous Inc.
## DeveloperExient Entertainment
```

```
## DeveloperExperience Inc.
## DeveloperFactor 5
## DeveloperFalcom
## DeveloperFarsight Studios
## DeveloperFASA Studio
## DeveloperFatshark AB
## DeveloperFeelPlus
## DeveloperFiraxis Games
## DeveloperFirebrand Games
## DeveloperFireFly Studios
## DeveloperFlagship
## DeveloperFlagship Studios
## DeveloperFlight-Plan
## DeveloperFluid Studios
## DeveloperFlying Lab Software
## DeveloperFlying Tiger Development
## DeveloperFox Interactive
## DeveloperFree Radical Design
## DeveloperFreeStyleGames
## DeveloperFrom Software
## DeveloperFrontier Developments
## DeveloperFrozenbyte, Inc.
## DeveloperFull-Fat
## DeveloperFull Fat
## DeveloperFUN Labs
## DeveloperFunatics Software, Funatics
## DeveloperFuncom
## DeveloperFuRyu
## DeveloperFuse Games Limited
## DeveloperFusionsphere Systems, Animation Arts
## DeveloperG-Artists
## DeveloperG.Rev
## DeveloperGaijin Entertainment
## DeveloperGaijin Games
## DeveloperGame Arts
## DeveloperGame Freak
## DeveloperGame Republic
## DeveloperGame Republic, JapanStudio
## DeveloperGame Titan
## DeveloperGameinvest, Seed Studios, Lda
## DeveloperGameloft
## DeveloperGameness Art Software
## DeveloperGaming Minds Studios
## DeveloperGanbarion
## DeveloperGas Powered Games
## DeveloperGCP1
## DeveloperGearbox Software
## DeveloperGearbox Software, 3D Realms
## DeveloperGenePool
## DeveloperGenius Sonority Inc.
## DeveloperGenki
## DeveloperGenuine Games
## DeveloperGhost Games
## DeveloperGiants Software
```

```
## DeveloperGood-Feel
## DeveloperGood Science Studio
## DeveloperGorilla Systems
## DeveloperGrasshopper Manufacture
## DeveloperGratuitous Games
## DeveloperGRIN
## DeveloperGriptonite Games
## DeveloperGSC Game World
## DeveloperGuerilla Cambridge
## DeveloperGuerrilla
## DeveloperGuildford Studio
## DeveloperGungHo
## DeveloperGust
## DeveloperGusto Games
## Developerh.a.n.d. Inc.
## DeveloperHaemimont
## DeveloperHAL Labs
## DeveloperHAL Labs, Creatures Inc.
## DeveloperHalfbrick Studios
## DeveloperHarmonix Music Systems
## DeveloperHarmonix Music Systems, Backbone Entertainment
## DeveloperHarmonix Music Systems, Demiurge Studios
## DeveloperHB Studios Multimedia
## DeveloperHeadfirst Productions
## DeveloperHeadstrong Games
## DeveloperHeavy Iron Studios
## DeveloperHelixe
## DeveloperHellbent Games
## DeveloperHello Games
## DeveloperHexaDrive
## DeveloperHigh Impact Games
## DeveloperHigh Moon Studios
## DeveloperHigh Moon Studios, Mercenary Technologies
## DeveloperHigh Voltage Software
## DeveloperHigh Voltage Software, Backbone Entertainment
## DeveloperHitmaker
## DeveloperHotGen
## DeveloperHothouse Creations
## DeveloperHousemarque
## DeveloperHudson
## DeveloperHudson Entertainment
## DeveloperHudson Soft
## DeveloperHuman Head Studios
## DeveloperHuman Soft
## DeveloperHumongous Entertainment
## DeveloperHydravision
## DeveloperHypnos
## DeveloperHypnos Entertainment
## DeveloperHypnotix
## DeveloperIce-Pick Lodge
## Developerid Software
## Developerid Software, Nerve Software
## Developerid Software, Raven Software
## DeveloperIdea Factory
```

```
## DeveloperIdea Factory, Compile Heart
## DeveloperIdol Minds
## DeveloperIgnition Entertainment
## DeveloperImage Epoch, Imageepoch
## DeveloperImmersion Software & Graphics
## DeveloperIncinerator Games
## DeveloperIncognito Inc.
## DeveloperIndi
## DeveloperIndie Built
## DeveloperIndies Zero
## DeveloperInevitable Entertainment
## DeveloperInferno Games
## DeveloperInfinite Dreams, Paragon 5
## DeveloperInfinite Interactive
## DeveloperInfinity Ward
## DeveloperInfinity Ward, Sledgehammer Games
## DeveloperInfogrames
## DeveloperiNiS
## DeveloperInsomniac Games
## DeveloperIntelligent Systems
## DeveloperInteractive Brains
## DeveloperInterchannel
## DeveloperInterplay
## DeveloperInti
## DeveloperInti Creates
## DeveloperInti, Inti Creates
## DeveloperIntroversion, Double Eleven
## DeveloperInXile Entertainment
## DeveloperIo Interactive
## DeveloperIon Storm
## DeveloperIR Gurus
## DeveloperIrem
## DeveloperIridon Interactive AB
## DeveloperIron Galaxy Studios
## DeveloperIron Lore Entertainment
## DeveloperIsopod Labs
## DeveloperITL
## DeveloperIvory Tower
## DeveloperJaleco Entertainment
## DeveloperJellyvision, Iron Galaxy Studios
## DeveloperJester Interactive
## DeveloperJGI Entertainment
## DeveloperJoWooD Entertainment AG
## DeveloperJuice Games
## DeveloperJunction Point
## DeveloperJupiter Corporation
## DeveloperK2
## DeveloperK2 LLC
## DeveloperK2, Kurogane
## DeveloperKadokawa
## DeveloperKalypso
## DeveloperKaos Studios
## DeveloperKCE Studios
## DeveloperKCEJ
```

```
## DeveloperKCEO
## DeveloperKCET
## DeveloperKeen Games
## DeveloperKemco
## DeveloperKing of the Jungle
## DeveloperKnowWonder
## DeveloperKoei
## DeveloperKoei Tecmo Games
## DeveloperKoei, Omega Force
## DeveloperKoei/Inis
## DeveloperKojima Productions
## DeveloperKonami
## DeveloperKonami Computer Entertainment Hawaii
## DeveloperKrome Studios
## DeveloperKrome Studios, Screenlife Games
## DeveloperKronos Digital Entertainment
## DeveloperKuju Entertainment
## DeveloperKung Fu Factory
## DeveloperKunos Simulazioni
## DeveloperKush Games
## DeveloperKush Games, Visual Concepts
## DeveloperKuusou Kagaku
## DeveloperKylotonn
## DeveloperLarian Studios
## DeveloperLDW, Big Fish Games
## DeveloperLeft Field Productions
## DeveloperLegacy Interactive
## DeveloperLevel 5
## DeveloperLevel 5, Brownie Brown
## DeveloperLight Weight
## DeveloperLionhead Studios
## DeveloperLiquid Dragon Studios
## DeveloperLiquid Entertainment
## DeveloperLocomotive Games
## DeveloperLongtail Studios
## DeveloperLucas Learning
## DeveloperLucasArts
## DeveloperLucasArts, Krome Studios
## DeveloperLucky Chicken
## DeveloperLuxoflux, Inc.
## DeveloperM2
## DeveloperMachatin, Inc.
## DeveloperMachineGames
## DeveloperMad Doc Software, Rockstar Vancouver
## DeveloperMagellan Interactive
## DeveloperMagenta Software
## DeveloperMagic Pockets
## DeveloperMajesco Games, Majesco
## DeveloperMarvelous
## DeveloperMarvelous AQL
## DeveloperMarvelous Entertainment
## DeveloperMarvelous Inc.
## DeveloperMASA Group
## DeveloperMass Media
```

```
## DeveloperMatrix Software
## DeveloperMaximum Games
## DeveloperMaxis
## DeveloperMedia Molecule
## DeveloperMedia Molecule, United Front Games
## DeveloperMedia Vision
## DeveloperMediascape, CUBETYPE
## DeveloperMekensleep
## DeveloperMelbourne House
## DeveloperMercury Steam
## DeveloperMetanet Software Inc., SilverBirch Studios
## DeveloperMetro
## DeveloperMetro Graphics
## DeveloperMetro3D
## DeveloperMicro Cabin
## DeveloperMicroids
## DeveloperMicrosoft Game Studios
## DeveloperMicrovision
## DeveloperMidway
## DeveloperMidway Studios - Austin
## DeveloperMidway Studios - Los Angeles
## DeveloperMidway Studios - San Diego
## DeveloperMilestone S.r.l
## DeveloperMilestone, Milestone S.r.l
## DeveloperMindware Studios
## DeveloperMistic Software
## DeveloperMistwalker, Artoon
## DeveloperMitchell
## DeveloperMix Max
## DeveloperMobius Entertainment
## DeveloperMonkey Bar Games
## DeveloperMonolith Productions
## DeveloperMonolith Soft
## DeveloperMonolith Soft, Banpresto
## DeveloperMonolith Soft, Namco Bandai Games
## DeveloperMonster Games Inc.
## DeveloperMonte Cristo Multimedia
## DeveloperMonumental Games
## DeveloperMoss
## DeveloperMTO
## DeveloperMucky Foot Productions
## Developern-Space
## DeveloperNadeo
## DeveloperNamco
## DeveloperNamco Bandai Games
## DeveloperNamco Bandai Games America
## DeveloperNamco Bandai Games America, Namco Bandai Games
## DeveloperNamco Bandai Games, Cellius
## DeveloperNamco Bandai Games, Monkey Bar Games
## DeveloperNanaOn-Sha
## DeveloperNaps Team
## DeveloperNatsume
## DeveloperNaughty Dog
## DeveloperNaughty Dog, Sony Bend
```

```
## DeveloperNautilus
## DeveloperNd Cube
## DeveloperNeko Entertainment
## DeveloperNeon Studios, Kaiko
## DeveloperNerve Software
## DeveloperNetherock Ltd.
## DeveloperNetherRealm Studios
## DeveloperNeverland
## DeveloperNeversoft Entertainment
## DeveloperNew
## DeveloperNex Entertainment
## DeveloperNext Level Games
## DeveloperNightlight Studios
## DeveloperNihilistic
## DeveloperNikitova Games
## DeveloperNinja Studio
## DeveloperNinja Theory
## DeveloperNintendo
## DeveloperNintendo EAD Tokyo
## DeveloperNintendo, Camelot Software Planning
## DeveloperNintendo, Headstrong Games
## DeveloperNintendo, Namco Bandai Games
## DeveloperNintendo, Nd Cube
## DeveloperNippon Ichi Software
## DeveloperNitro Games
## DeveloperNitro+
## DeveloperNixxes Software
## DeveloperNoise Factory
## DeveloperNoise Inc.
## DeveloperNordic Games Publishing
## DeveloperNovarama
## DeveloperNow Production
## DeveloperNtreev Soft
## DeveloperNuevo Retro Games
## DeveloperNuFX
## DeveloperNumber None Inc., Knockout Games
## DeveloperObsidian Entertainment
## DeveloperOddworld Inhabitants
## Developerodenis studio
## DeveloperOffice Create
## DeveloperOmega Force
## DeveloperOmega Force, Koei Canada
## DeveloperOmega Force, Koei Tecmo Games
## DeveloperOmiya Soft, Jamsworks
## DeveloperOpus
## DeveloperOpus Studio
## DeveloperOpus, Project Sora
## DeveloperOrbital Media, Inc.
## DeveloperOsiris Studios
## DeveloperOutrage Games
## DeveloperOverkill Software
## DeveloperOverworks
## DeveloperPacific Coast Power & Light
## DeveloperPage 44 Studios
```

```
## DeveloperPam Development
## DeveloperPandemic Studios
## DeveloperPaon Corporation
## DeveloperPapaya Studios
## DeveloperParadigm Entertainment
## DeveloperParadox Development
## DeveloperParadox Development Studio
## DeveloperParadox Interactive
## DeveloperPeople Can Fly
## DeveloperPetroglyph
## DeveloperPhosphor Games Studio, LLC
## DeveloperPipe Dream Interactive
## DeveloperPipeworks Software, Inc.
## DeveloperPiranha Bytes
## DeveloperPiranha Games
## DeveloperPitbull Syndicate
## DeveloperPivotal Games
## DeveloperPlanet Moon Studios
## DeveloperPlatinum Egg
## DeveloperPlatinumGames
## DeveloperPlayground Games
## DeveloperPLAYGROUND, Playground Games
## DeveloperPlaystos Entertainment
## DeveloperPocket Studios
## DeveloperPocketeers
## DeveloperPoint of View
## DeveloperPolygon Magic
## DeveloperPolyphony Digital
## DeveloperPopCap
## DeveloperPopTop Software
## DeveloperProject Aces
## DeveloperProject Soul
## DeveloperProkion
## DeveloperPropaganda Games
## DeveloperPrope
## DeveloperPrope, Kadokawa
## DeveloperPseudo Interactive
## DeveloperPsygnosis
## DeveloperPsyponix
## DeveloperPterodon
## DeveloperPuzzleKings
## DeveloperPyramid
## DeveloperPyro Studios
## DeveloperQ-Games
## DeveloperQ Entertainment
## DeveloperQuantic Dream
## DeveloperQuest
## DeveloperRacjin
## DeveloperRadical Entertainment
## DeveloperRage Software
## DeveloperRainbow Studios
## DeveloperRare Ltd.
## DeveloperRare Ltd., BigPark
## DeveloperRaster
```

\*

```
## DeveloperRatbag
## DeveloperRaven Software
## DeveloperRaylight Studios
## DeveloperRazorworks Studios
## DeveloperReady at Dawn
## DeveloperRealism Ltd
## DeveloperReality Pump
## DeveloperRealtime Worlds
## DeveloperRebellion
## DeveloperRED Entertainment
## DeveloperRED Entertainment, Artdink
## DeveloperRed Fly Studio
## DeveloperRed Storm Entertainment
## DeveloperRed Storm Entertainment, Ubisoft Montreal
## DeveloperRed Tribe
## DeveloperRed Zone Entertainment
## DeveloperRedLynx
## DeveloperReflections Interactive
## DeveloperRelated Designs
## DeveloperRelic
## DeveloperReloaded Productions, Reloaded Games Inc.
## DeveloperRemedy Entertainment
## DeveloperRenegade Kid
## DeveloperRespawn Entertainment
## DeveloperRetro Studios
## DeveloperRFX Interactive
## DeveloperRitual Entertainment, Avalanche Software
## DeveloperRobomodo
## DeveloperRockstar Leeds
## DeveloperRockstar London
## DeveloperRockstar North
## DeveloperRockstar San Diego
## DeveloperRockstar Studios
## DeveloperRockstar Toronto
## DeveloperRockstar Toronto, Rockstar Leeds
## DeveloperRocksteady Studios
## DeveloperRocksteady Studios, Iron Galaxy Studios
## DeveloperRonin Entertainment
## DeveloperRuntime
## DeveloperRyu ga Gotoku Studios
## DeveloperS-Neo
## DeveloperSabertooth Games
## DeveloperSaffire
## DeveloperSand Grain Studios
## DeveloperSandlot
## DeveloperSanta Cruz Games
## DeveloperSanta Entertainment
## DeveloperSanzaru Games
## DeveloperSanzaru Games, Sanzaru Games, Inc.
## DeveloperSCE Japan Studio
## DeveloperSCE Japan Studio, comcept
## DeveloperSCE Santa Monica
## DeveloperSCE Studio Cambridge
## DeveloperSCE/WWS, Media Molecule
```

```
## DeveloperSCEA
## DeveloperSCEA San Diego Studios
## DeveloperSCEA Sports Studio
## DeveloperSCEA, Sims
## DeveloperSCEE
## DeveloperSCEE London Studio
## DeveloperSCEI
## DeveloperSCEJ
## DeveloperSCi
## DeveloperScreenlife Games, WXP
## DeveloperSecret Level
## DeveloperSecret Stash Games
## DeveloperSega
## DeveloperSega AM2
## DeveloperSega AM3
## DeveloperSega Studios San Francisco
## DeveloperSega, Dimps Corporation
## DeveloperSega, Sonic Team
## DeveloperSensory Sweep
## DeveloperSeta Corporation
## DeveloperSeven45 Studios
## DeveloperShaba Games
## DeveloperShade
## DeveloperShift
## DeveloperShin'en
## DeveloperShiny Entertainment
## DeveloperSidhe Interactive
## DeveloperSilicon Knights
## DeveloperSilicon Studio
## DeveloperSimBin
## DeveloperSimon & Schuster
## DeveloperSkyRiver Studios
## DeveloperSlant Six
## DeveloperSledgehammer Games
## DeveloperSlightly Mad Studios
## DeveloperSmart Bomb Interactive
## DeveloperSmilebit
## DeveloperSnap Dragon Games
## DeveloperSNK
## DeveloperSNK Playmore
## DeveloperSnowblind Studios
## DeveloperSonic Team
## DeveloperSonnori
## DeveloperSony Bend
## DeveloperSony Interactive Entertainment
## DeveloperSony Online Entertainment
## DeveloperSpark Unlimited
## DeveloperSpellbound
## DeveloperSpicy Horse
## DeveloperSpiders
## DeveloperSpidersoft, Spiders
## DeveloperSpike
## DeveloperSpike Chunsoft
## DeveloperSpike Chunsoft Co. Ltd., Spike Chunsoft
```

```
## DeveloperSpike Chunsoft, Chime
## DeveloperSpike, Namco Bandai Games
## DeveloperSplash Damage
## DeveloperSplash Damage, The Coalition *
## DeveloperSports Interactive
## DeveloperSquare Enix
## DeveloperSquare Enix, Tri-Ace
## DeveloperSquareSoft
## DeveloperSScholastic Media
## DeveloperStainless Games
## DeveloperStarbreeze
## DeveloperStarsphere Interactive
## DeveloperStill Alive Studios
## DeveloperSting
## DeveloperStormfront Studios
## DeveloperStormregion
## DeveloperStrangelite
## DeveloperStudio Gigante
## DeveloperStudio Liverpool
## DeveloperStudio Saizensen
## DeveloperSubterranean Games
## DeveloperSuccess
## DeveloperSucker Punch
## DeveloperSumo Digital
## DeveloperSun-Tec
## DeveloperSunrise Interactive
## DeveloperSunSoft
## DeveloperSuper Empire
## DeveloperSuperBot Entertainment
## DeveloperSuperMassive Games
## DeveloperSuperVillain Studios
## DeveloperSurreal Software
## DeveloperSuzak
## DeveloperSwingin' Ape
## DeveloperSwordfish Studios
## Developersyn Sophia
## DeveloperSynetic
## DeveloperTaito Corporation
## DeveloperTaito Corporation, 505 Games
## DeveloperTakara
## DeveloperTakara Tomy
## DeveloperTake-Two Interactive
## DeveloperTamsoft
## DeveloperTango Frameworks
## DeveloperTaniko
## DeveloperTantalus Interactive
## DeveloperTate Interactive
## DeveloperTeam 17
## DeveloperTeam 17, Two Tribes
## DeveloperTeam Bondi
## DeveloperTeam Fusion
## DeveloperTeam Ninja
## DeveloperTechland
## DeveloperTecmo
```

```
## DeveloperTecmo Koei Canada
## DeveloperTelenet
## DeveloperTelltale Games
## DeveloperTenky
## DeveloperTerminal Reality
## DeveloperTetris Online, Inc
## DeveloperTeyon
## DeveloperThatGameCompany
## DeveloperThe Behemoth
## DeveloperThe Fun Pimps Entertainment LLC
## DeveloperThe Game Factory
## DeveloperThe Sims Studio
## DeveloperThe Workshop
## DeveloperTHQ
## DeveloperTHQ Digital Studio Phoenix
## DeveloperTHQ, 1C, 1C Company
## DeveloperTHQ, Yuke's
## DeveloperTilted Mill
## DeveloperTimeGate Studios
## DeveloperTitus Software
## DeveloperToka
## DeveloperTop Heavy Studios
## DeveloperTorus Games
## DeveloperTOSE
## DeveloperTose Software
## DeveloperTouchdown Entertainment
## DeveloperTOYBOX
## DeveloperToys for Bob
## DeveloperTranji
## DeveloperTransmission Games
## DeveloperTraveller's Tales
## DeveloperTreasure
## DeveloperTreyarch
## DeveloperTreyarch, Shaba Games
## DeveloperTreyarch, Sledgehammer Games
## DeveloperTri-Ace
## DeveloperTri-Crescendo
## DeveloperTrickstar Games
## DeveloperTrion Worlds
## DeveloperTripwire Interactive
## DeveloperTriumph Studios
## DeveloperTT Fusion
## DeveloperTT Games
## DeveloperTurn 10
## DeveloperTurtle Rock Studios
## DeveloperTwisted Pixel Games
## DeveloperUbisoft
## DeveloperUbisoft Barcelona
## DeveloperUbisoft Bulgaria
## DeveloperUbisoft Casablanca
## DeveloperUbisoft Milan
## DeveloperUbisoft Montpellier
## DeveloperUbisoft Montreal
## DeveloperUbisoft Paris
```

```
## DeveloperUbisoft Quebec
## DeveloperUbisoft Reflections, Ivory Tower
## DeveloperUbisoft Romania
## DeveloperUbisoft Shanghai
## DeveloperUbisoft Toronto
## DeveloperUbisoft Vancouver
## DeveloperUbisoft, FunHouse
## DeveloperUbisoft, Ubisoft Montreal
## DeveloperUBlart Montpellier
## DeveloperUDS
## DeveloperUGA
## DeveloperUnigine Corp, Russia
## DeveloperUnited Front Games
## DeveloperValhalla Game Studios
## DeveloperValuewave Co.,Ltd.
## DeveloperValve Software
## DeveloperVanguard
## DeveloperVanilla Ware
## DeveloperVanillaware
## DeveloperVenan Entertainment, Cashmere Prod.
## DeveloperVenom Games
## DeveloperVicarious Visions
## DeveloperVicious Cycle
## DeveloperVictor Interactive Software
## DeveloperVigil Games
## DeveloperVirtuos
## DeveloperVIS Entertainment
## DeveloperVisceral Games
## DeveloperVisual Concepts
## DeveloperVisual Impact
## DeveloperVisual Sciences
## DeveloperVivarium
## DeveloperVivendi Games
## DeveloperVogster
## DeveloperVolatile Games
## DeveloperVolition Inc.
## DeveloperVSTEP
## DeveloperWargaming.net
## DeveloperWarner Bros. Interactive Entertainment
## DeveloperWarner Bros. Interactive Entertainment, NetherRealm Studios
## DeveloperWarthog
## DeveloperWayForward
## DeveloperWBIE
## DeveloperWebfoot Technologies
## DeveloperWicked Witch Software
## DeveloperWideload Games Inc.
## DeveloperWideScreen Games
## DeveloperWinkySoft
## DeveloperWizardbox
## DeveloperWow Entertainment
## DeveloperWXP
## DeveloperXpec
## DeveloperYacht Club Games
## DeveloperYager
```

```

## DeveloperYuke's
## DeveloperZ-Axis, Ltd.
## DeveloperZed Two Limited
## DeveloperZen Studios
## DeveloperZener Works
## DeveloperZeniMax Media
## DeveloperZerodiv
## DeveloperZipper Interactive
## DeveloperZoe Mode
## DeveloperZombie Studios
## DeveloperZoom
## DeveloperZootFly
## sqrtEU_Sales
## invJP_Sales
## sqrtOther_Sales
## Year_of_Release
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1859 on 2307 degrees of freedom
## Multiple R-squared: 0.8536, Adjusted R-squared: 0.7814
## F-statistic: 11.81 on 1139 and 2307 DF, p-value: < 2.2e-16
attributes(summary(model2))

## $names
## [1] "call"          "terms"        "residuals"      "coefficients"
## [5] "aliased"       "sigma"        "df"            "r.squared"
## [9] "adj.r.squared" "fstatistic"    "cov.unscaled"
##
## $class
## [1] "summary.lm"
summary(model2)$r.squared

## [1] 0.8536412

```

Model explains 85% of variation. Very small p-value and moderately large test statistic, thus there is a significant linear relationship between response and at least 1 predictor.

From summary's t values, predictors found to not be significantly significant are: Genre, publisher, and developer

## New model with significant t values

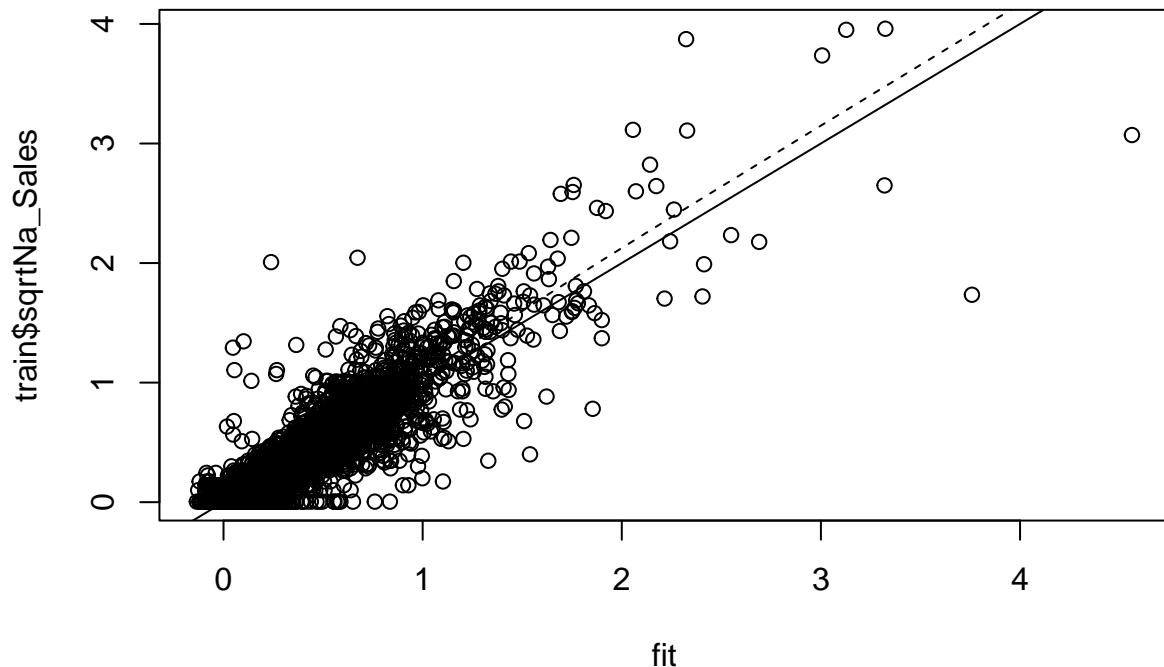
```

# re-fit the model with smaller number of variables
model3 <- lm(sqrtNa_Sales ~ sqUser_Score +
              sqCritic_Score + Platform + sqrtEU_Sales +
              invJP_Sales + sqrtOther_Sales + Year_of_Release,
              data=train)

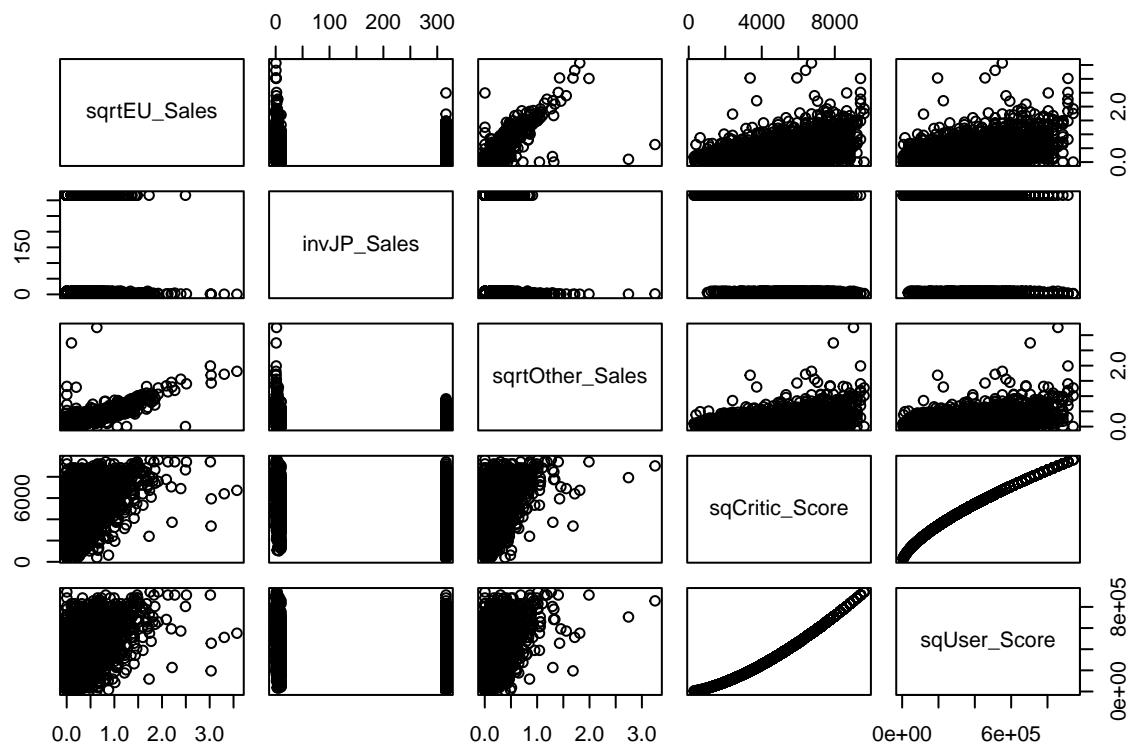
# re-check all the conditions and assumptions
# check condition 1
fit <- model3$fitted.values
plot(train$sqrtNa_Sales ~ fit)

```

```
abline(a = 0, b = 1)
lines(lowess(train$sqrtNa_Sales ~ fit), lty=2)
```



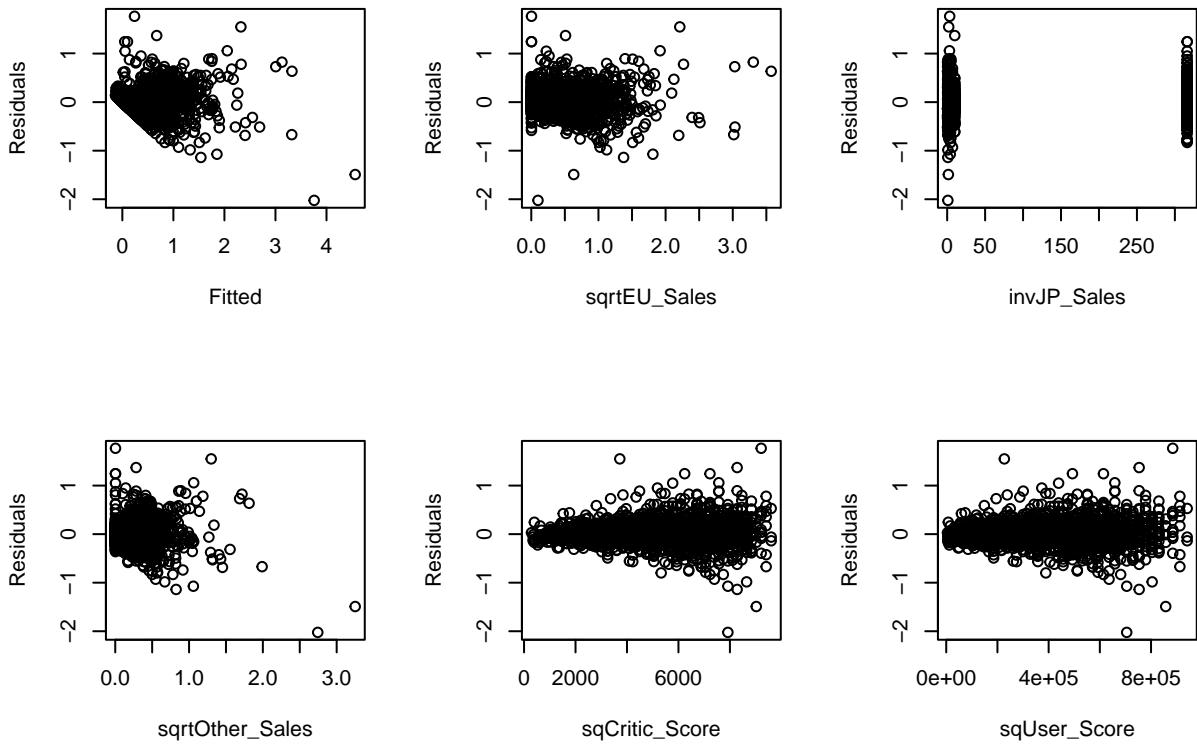
```
# check condition 2
pairs(train[c(18, 19, 20, 21, 22)])
```



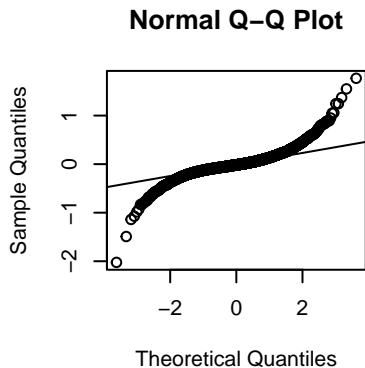
```

par(mfrow=c(2,3))
r <- model3$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,18], xlab="sqrtEU_Sales", ylab="Residuals")
plot(r ~ train[,19], xlab="invJP_Sales", ylab="Residuals")
plot(r ~ train[,20], xlab="sqrtOther_Sales", ylab="Residuals")
plot(r ~ train[,21], xlab="sqCritic_Score", ylab="Residuals")
plot(r ~ train[,22], xlab="sqUser_Score", ylab="Residuals")

```



```
qqnorm(r)
qqline(r)
```



Once again, normality is violated.

## Partial F test

```
anova(model3, model2)

## Analysis of Variance Table
##
## Model 1: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform + sqrtEU_Sales +
##           invJP_Sales + sqrtOther_Sales + Year_of_Release
## Model 2: sqrtNa_Sales ~ Genre + sqUser_Score + sqCritic_Score + Platform +
##           Publisher + Developer + sqrtEU_Sales + invJP_Sales + sqrtOther_Sales +
##           Year_of_Release
##   Res.Df     RSS   Df Sum of Sq      F    Pr(>F)
## 1   3424 132.661
## 2   2307  79.706 1117     52.955 1.3722 2.115e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

F statistic is smaller than expected, and  $\text{Pr}(>\text{F})$  is greater than significance level. Thus we fail to reject the null hypothesis and accept model3.

## Compute confidence intervals

```
confint(model3, level=0.95)

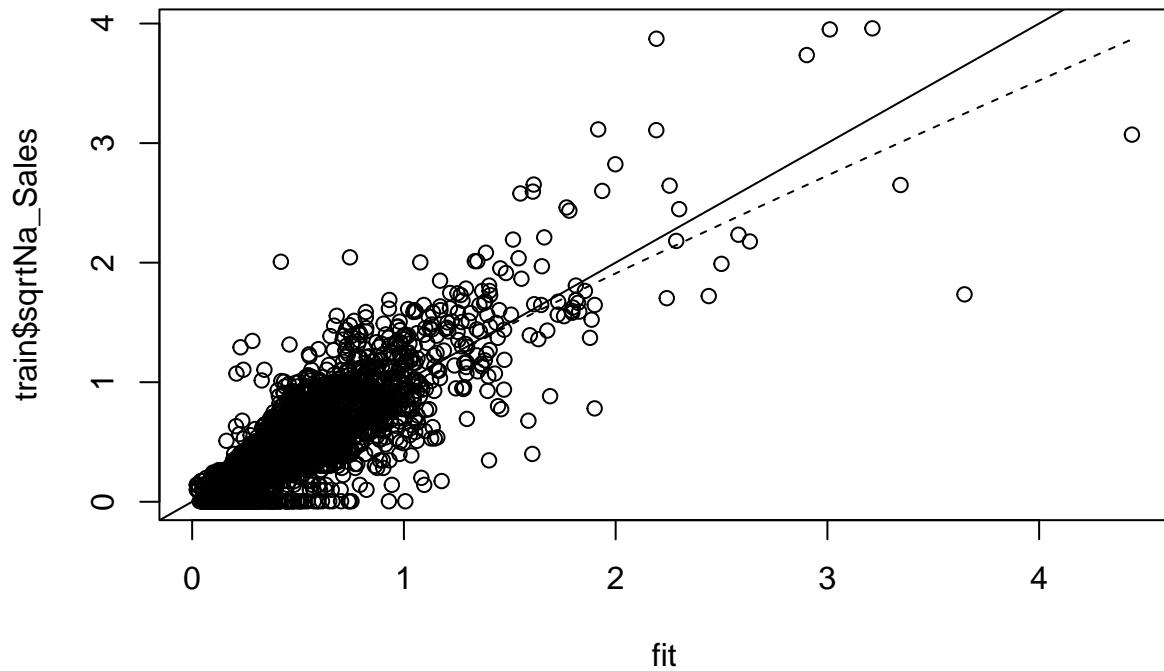
##                                     2.5 %      97.5 %
## (Intercept)    1.605062e+01  2.872488e+01
## sqUser_Score   3.678166e-07  9.722848e-07
## sqCritic_Score -8.166856e-05 -1.906350e-05
## PlatformDC     -4.860497e-01 -1.862404e-01
## PlatformDS     -5.787540e-02  5.013894e-02
## PlatformGBA    -1.522378e-02  1.163484e-01
## PlatformGC     7.668758e-03  1.293390e-01
## PlatformPC     -2.939921e-01 -1.906984e-01
## PlatformPS     -1.427184e-01  7.230710e-03
## PlatformPS2    -2.038154e-01 -9.263647e-02
## PlatformPS3    -1.871574e-01 -8.911115e-02
## PlatformPS4    -2.351768e-01 -1.239070e-01
## PlatformPSP    -1.867253e-01 -7.671369e-02
## PlatformPSV    -2.419122e-01 -1.108863e-01
## PlatformWii    -1.504438e-02  9.120571e-02
## PlatformWiiU   -5.310348e-02  9.393328e-02
## PlatformX360   1.560823e-03  9.957796e-02
## PlatformXB     -3.915498e-02  7.734554e-02
## PlatformXOne   -1.278731e-02  1.131229e-01
## sqrtEU_Sales   1.555819e-01  2.285347e-01
## invJP_Sales    -9.488184e-05  1.348995e-05
## sqrtOther_Sales 1.226836e+00  1.355809e+00
## Year_of_Release -1.418583e-02 -7.887174e-03
```

invJP\_Sales and a few platform categories are shown to include 0 within their intervals. New models made removing both variables and each variable should be made and compared to.

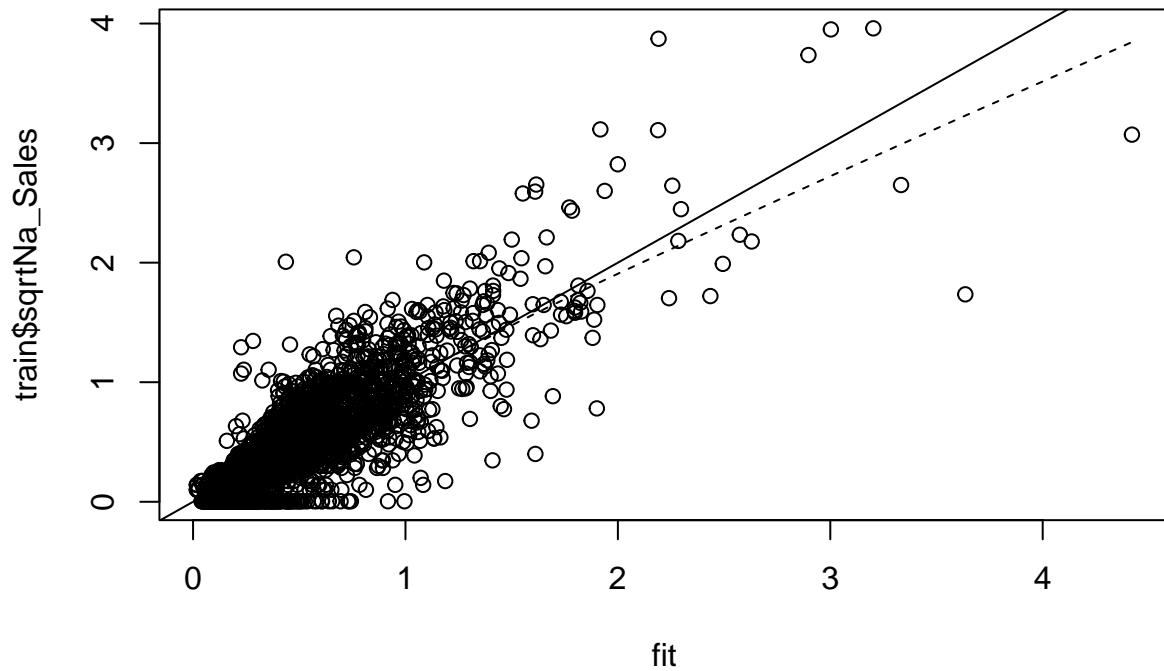
## New models and partial F test

```
# re-fit the models with smaller number of variables
model4 <- lm(sqrtNa_Sales ~ sqUser_Score +
              sqCritic_Score + sqrtEU_Sales +
              sqrtOther_Sales + Year_of_Release,
              data=train)
model5 <- lm(sqrtNa_Sales ~ sqUser_Score +
              sqCritic_Score + sqrtEU_Sales +
              invJP_Sales + sqrtOther_Sales + Year_of_Release,
              data=train)

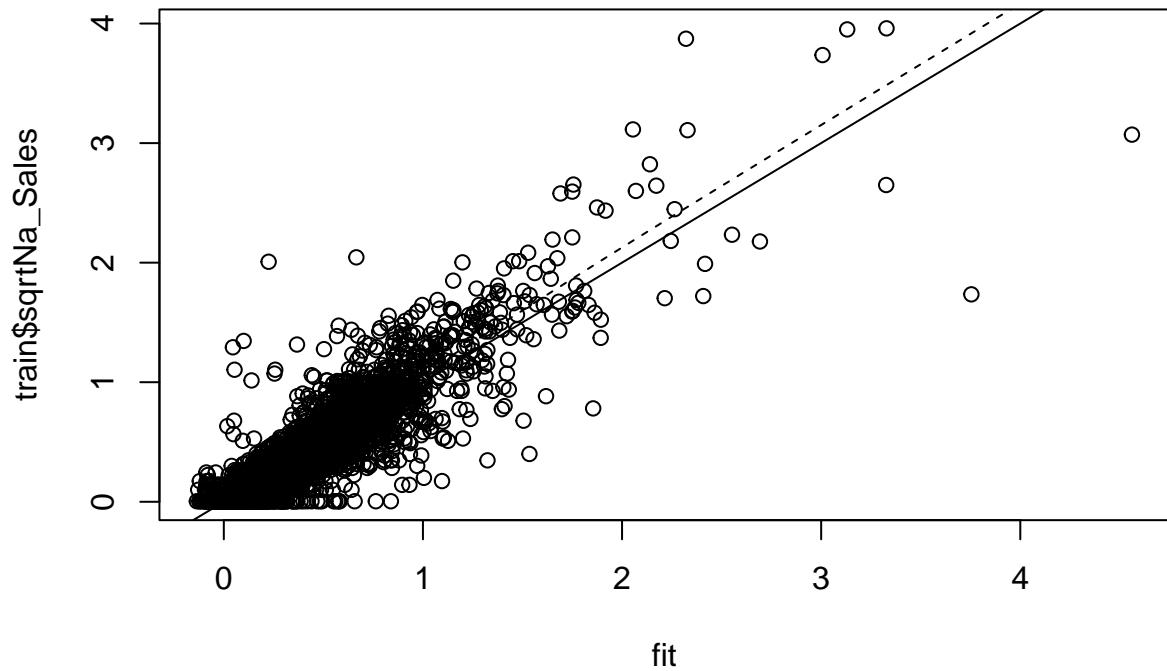
model6 <- lm(sqrtNa_Sales ~ sqUser_Score +
              sqCritic_Score + Platform + sqrtEU_Sales + sqrtOther_Sales + Year_of_Release,
              data=train)
# re-check all the conditions and assumptions
# check condition 1
fit <- model4$fitted.values
plot(train$sqrtNa_Sales ~ fit)
abline(a = 0, b = 1)
lines(lowess(train$sqrtNa_Sales ~ fit), lty=2)
```



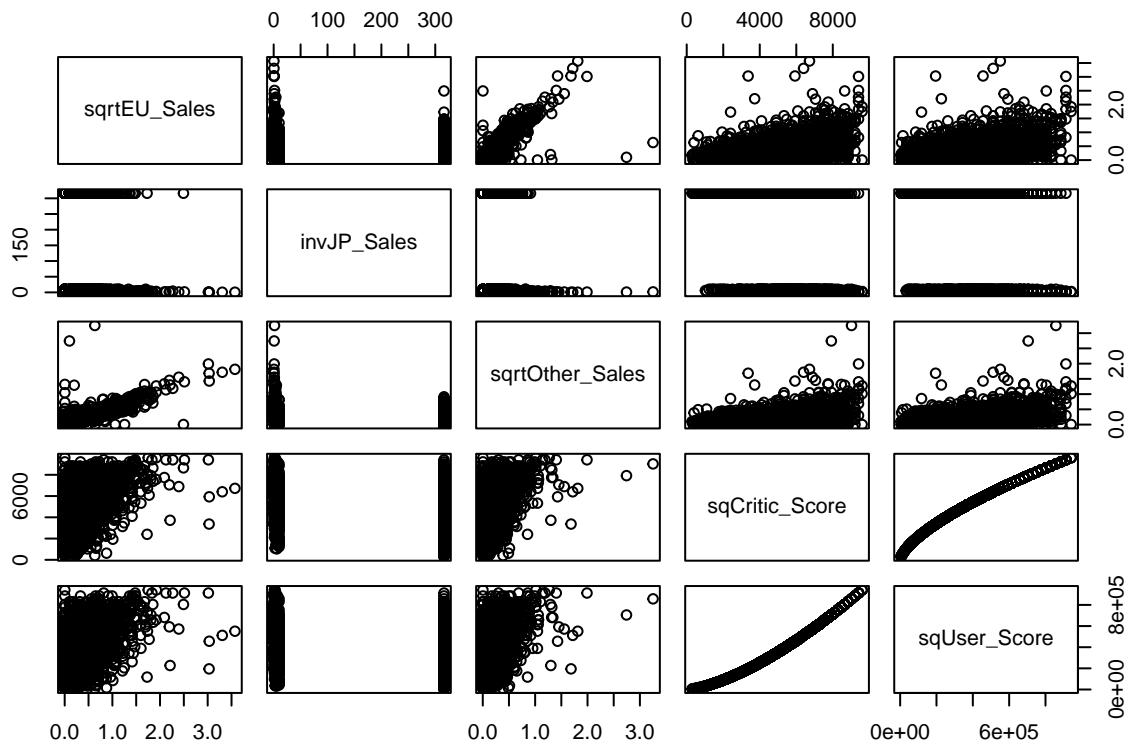
```
fit <- model5$fitted.values  
plot(train$sqrtNa_Sales ~ fit)  
abline(a = 0, b = 1)  
lines(lowess(train$sqrtNa_Sales ~ fit), lty=2)
```



```
fit <- model6$fitted.values
plot(train$sqrtNa_Sales ~ fit)
abline(a = 0, b = 1)
lines(lowess(train$sqrtNa_Sales ~ fit), lty=2)
```



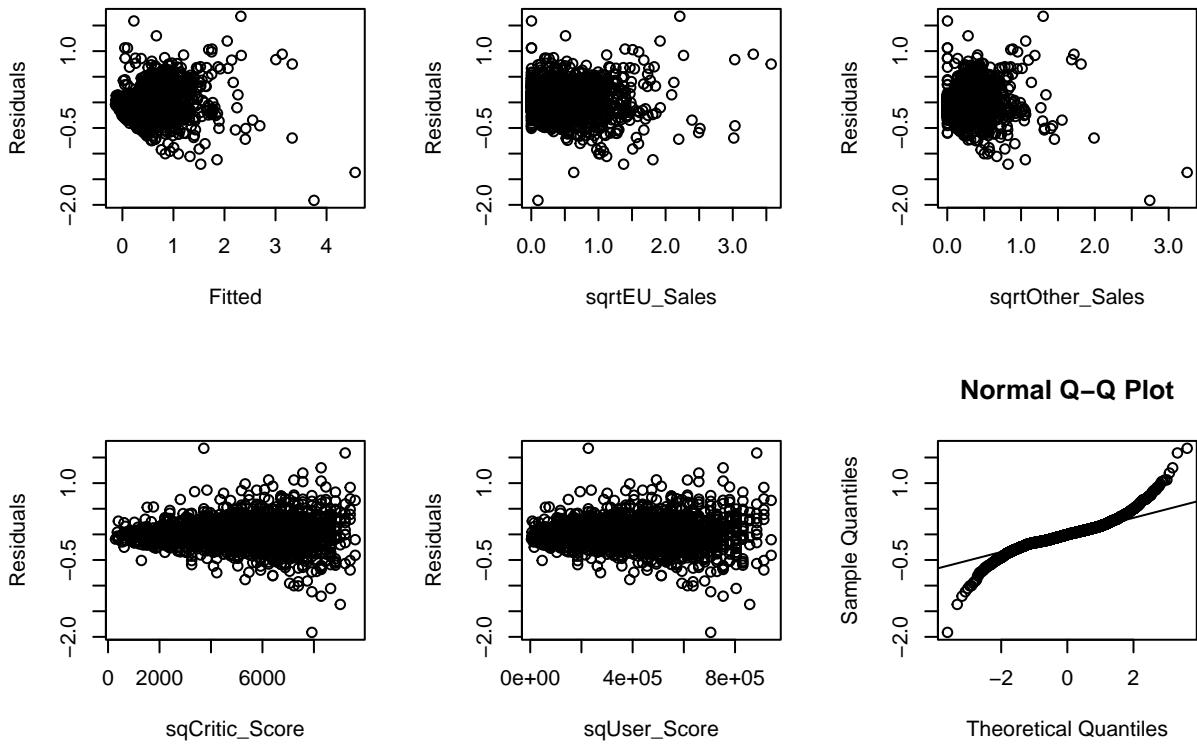
```
# check condition 2
pairs(train[c(18, 19, 20, 21, 22)])
```



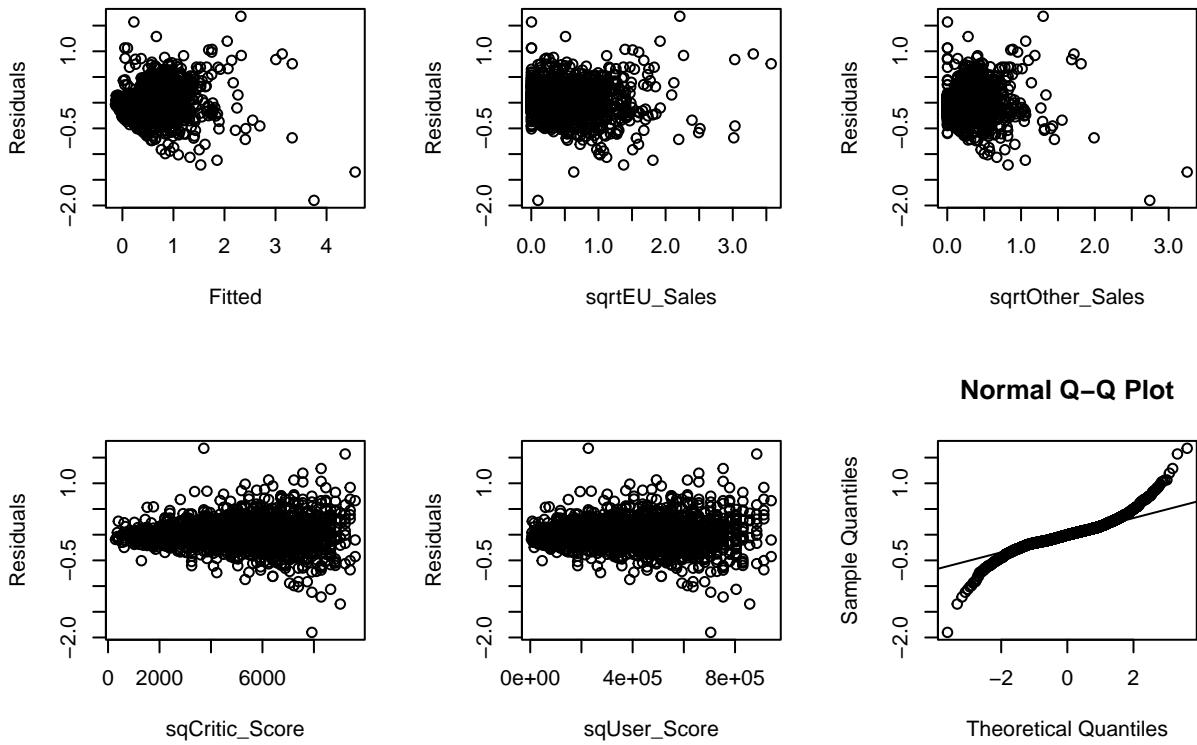
```

par(mfrow=c(2,3))
r <- model4$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,18], xlab="sqrtEU_Sales", ylab="Residuals")
plot(r ~ train[,20], xlab="sqrtOther_Sales", ylab="Residuals")
plot(r ~ train[,21], xlab="sqCritic_Score", ylab="Residuals")
plot(r ~ train[,22], xlab="sqUser_Score", ylab="Residuals")
qqnorm(r)
qqline(r)

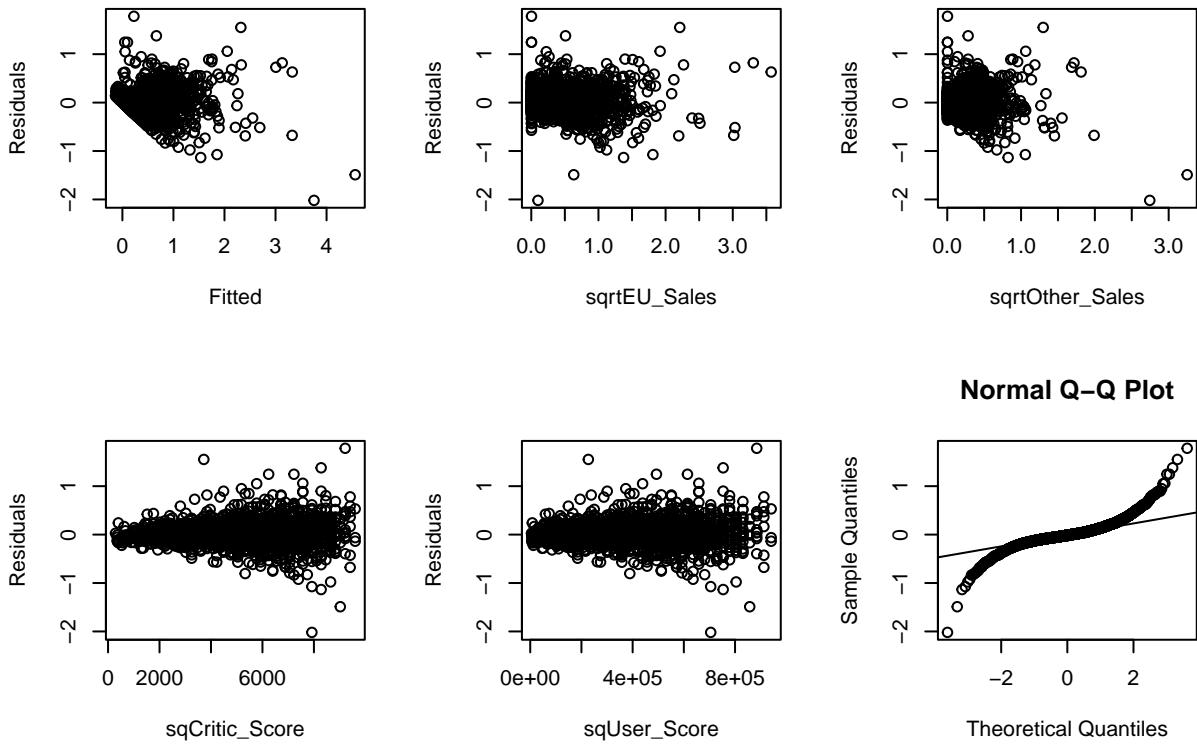
```



```
par(mfrow=c(2,3))
r <- model5$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,18], xlab="sqrtEU_Sales", ylab="Residuals")
plot(r ~ train[,20], xlab="sqrtOther_Sales", ylab="Residuals")
plot(r ~ train[,21], xlab="sqCritic_Score", ylab="Residuals")
plot(r ~ train[,22], xlab="sqUser_Score", ylab="Residuals")
qqnorm(r)
qqline(r)
```



```
par(mfrow=c(2,3))
r <- model6$residuals
plot(r ~ fit, xlab="Fitted", ylab="Residuals")
plot(r ~ train[,18], xlab="sqrtEU_Sales", ylab="Residuals")
plot(r ~ train[,20], xlab="sqrtOther_Sales", ylab="Residuals")
plot(r ~ train[,21], xlab="sqCritic_Score", ylab="Residuals")
plot(r ~ train[,22], xlab="sqUser_Score", ylab="Residuals")
qqnorm(r)
qqline(r)
```



Normality violated still.

```
anova(model4, model3)
```

```
## Analysis of Variance Table
##
## Model 1: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + sqrtEU_Sales +
##           sqrtOther_Sales + Year_of_Release
## Model 2: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform + sqrtEU_Sales +
##           invJP_Sales + sqrtOther_Sales + Year_of_Release
##   Res.Df   RSS Df Sum of Sq    F    Pr(>F)
## 1   3441 170.06
## 2   3424 132.66 17    37.395 56.775 < 2.2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(model5, model3)
```

```
## Analysis of Variance Table
##
## Model 1: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + sqrtEU_Sales +
##           invJP_Sales + sqrtOther_Sales + Year_of_Release
## Model 2: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform + sqrtEU_Sales +
##           invJP_Sales + sqrtOther_Sales + Year_of_Release
##   Res.Df   RSS Df Sum of Sq    F    Pr(>F)
## 1   3440 169.84
## 2   3424 132.66 16    37.176 59.97 < 2.2e-16 ***
## ---
```

```

## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
anova(model6, model3)

## Analysis of Variance Table
##
## Model 1: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform + sqrtEU_Sales +
##           sqrtOther_Sales + Year_of_Release
## Model 2: sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform + sqrtEU_Sales +
##           invJP_Sales + sqrtOther_Sales + Year_of_Release
##   Res.Df   RSS Df Sum of Sq    F Pr(>F)
## 1   3425 132.75
## 2   3424 132.66  1  0.084012 2.1684  0.141

```

Among all 3 new models, the model removing only invJP\_Sales is the one that fails to reject the null hypothesis. Thus it is kept now instead.

## Collinearity

```

summary(model6)

##
## Call:
## lm(formula = sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform +
##       sqrtEU_Sales + sqrtOther_Sales + Year_of_Release, data = train)
##
## Residuals:
##      Min        1Q     Median        3Q       Max
## -2.01938 -0.08630 -0.01614  0.07335  1.78238
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)    
## (Intercept) 2.218e+01  3.230e+00  6.868 7.72e-12 ***
## sqUser_Score 6.656e-07  1.541e-07  4.318 1.62e-05 ***
## sqCritic_Score -4.940e-05 1.595e-05 -3.096  0.00198 ** 
## PlatformDC -3.314e-01  7.640e-02 -4.338 1.48e-05 ***
## PlatformDS -7.625e-03  2.743e-02 -0.278  0.78105  
## PlatformGBA  4.511e-02  3.335e-02  1.352  0.17634  
## PlatformGC  6.289e-02  3.080e-02  2.042  0.04123 *  
## PlatformPC -2.513e-01  2.563e-02 -9.803 < 2e-16 ***
## PlatformPS -7.167e-02  3.815e-02 -1.879  0.06039 .  
## PlatformPS2 -1.537e-01  2.811e-02 -5.468 4.89e-08 ***
## PlatformPS3 -1.407e-01  2.494e-02 -5.642 1.81e-08 ***
## PlatformPS4 -1.831e-01  2.828e-02 -6.476 1.08e-10 ***
## PlatformPSP -1.353e-01  2.795e-02 -4.839 1.36e-06 ***
## PlatformPSV -1.761e-01  3.342e-02 -5.270 1.45e-07 ***
## PlatformWii  3.342e-02  2.691e-02  1.242  0.21445  
## PlatformWiiU 1.711e-02  3.744e-02  0.457  0.64765  
## PlatformX360 4.548e-02  2.476e-02  1.837  0.06634 .  
## PlatformXB  1.163e-02  2.928e-02  0.397  0.69133  
## PlatformXOne 4.104e-02  3.151e-02  1.302  0.19289  
## sqrtEU_Sales 1.950e-01  1.850e-02  10.536 < 2e-16 ***
## sqrtOther_Sales 1.293e+00  3.287e-02  39.351 < 2e-16 ***
## Year_of_Release -1.094e-02 1.605e-03 -6.814 1.12e-11 ***

```

```

## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1969 on 3425 degrees of freedom
## Multiple R-squared: 0.7562, Adjusted R-squared: 0.7548
## F-statistic: 506 on 21 and 3425 DF, p-value: < 2.2e-16
vif(model6)

##          GVIF Df GVIF^(1/(2*Df))
## sqUser_Score 76.238282 1     8.731454
## sqCritic_Score 74.253246 1     8.617032
## Platform      6.201459 16    1.058682
## sqrtEU_Sales   3.517345 1     1.875459
## sqrtOther_Sales 3.987119 1     1.996777
## Year_of_Release 4.163087 1     2.040364

```

Squaring GVIF, we find that all variables have severe multicollinearity, but the p values for all predictors are small.

## Identify influential points

```

# values to use in cutoffs
n <- nrow(train)
p <- length(coef(model6))-1

# define the cutoffs we will use
Hcut <- 2*((p+1)/n)
DFFITScut <- 2*sqrt((p+1)/n)
DFBETAcut <- 2/sqrt(n)
Dcut <- qf(0.5, p+1, n-p-1)

# identify the leverage points
h <- hatvalues(model6)
which(h>Hcut)

## 1700 4319 2925 28 2750 2977 5482 1709 2398 1296 5804 2 2907 686 1556 6421
## 6 9 13 21 32 35 41 70 75 81 82 104 117 123 130 133
## 6822 771 5358 1023 6741 1762 173 5177 5934 1093 4062 2166 766 3216 6238 1185
## 145 151 166 187 198 202 216 220 231 248 266 278 298 313 331 347
## 2445 187 2279 1567 5786 2607 5821 383 4227 5230 988 3893 4024 5 3091 6275
## 368 384 399 421 438 440 452 467 473 477 486 505 512 518 520 524
## 6524 896 1004 4793 4980 4620 494 5918 617 5538 6017 2477 3879 181 199 2249
## 551 557 569 576 614 635 653 656 664 665 667 674 677 683 686 699
## 3378 4242 4857 433 36 3975 802 109 5253 4166 31 6694 3452 4096 4932 3904
## 700 707 724 725 728 743 781 811 813 821 832 833 836 841 856 865
## 4034 6503 3696 2753 2773 1208 2924 324 5780 3 1037 3940 4544 4426 2041 339
## 867 876 899 922 927 941 961 962 963 978 1005 1017 1065 1068 1069 1096
## 1234 970 4697 3554 1373 3122 1942 158 5969 272 5839 3953 196 1641 45 4984
## 1097 1103 1106 1107 1109 1121 1124 1127 1132 1133 1136 1154 1165 1166 1169 1178
## 3313 2541 4573 1751 1608 3769 269 5312 4940 12 3805 4996 3368 3694 2378 310
## 1193 1196 1210 1213 1247 1252 1271 1281 1283 1288 1291 1301 1303 1304 1317 1321
## 6689 6640 386 1486 2451 4324 4442 3595 4004 3891 5235 20 4035 894 4534 1425
## 1325 1331 1334 1344 1358 1366 1377 1384 1396 1398 1399 1401 1402 1416 1427 1432
## 4267 5596 2573 1592 5567 5937 6845 3867 6300 2228 3756 2862 890 4911 1043 2706

```

```

## 1453 1456 1459 1464 1478 1481 1487 1491 1494 1515 1523 1533 1553 1555 1558 1564
## 2443 3001    9  678  215  960 4211 4022 6378  784  119 3232 4957 3962 5032 4306
## 1575 1592 1599 1600 1604 1610 1625 1629 1630 1655 1656 1671 1677 1680 1687 1697
## 2598 5084  966 3761 3490 4235  764 6701 5341 6650  429 6783 4337 4703 5110 2194
## 1711 1721 1723 1741 1750 1767 1770 1773 1774 1781 1790 1815 1840 1849 1854 1861
## 4872 3106  230 3120 1287 4351 1910   24 4103 1091 6185 5346 2205 4567   11 3928
## 1877 1898 1900 1902 1907 1908 1909 1928 1935 1937 1940 1951 1959 1965 1993 1998
## 107 5047 5295  172 2894 3855 2314 2147 5070   38 152 4634 5696  794 3087 4658
## 2008 2010 2015 2024 2045 2082 2097 2101 2110 2118 2119 2124 2129 2130 2135 2154
## 2132 837 3245   71  754   14 1628 2009 3806 4830 4221 2640 2348 6032 6194   297
## 2174 2181 2185 2195 2196 2198 2202 2204 2220 2222 2253 2262 2280 2285 2296 2301
## 936   96 5112 3474 2829 6079 1372 1153 3813 1112 1084 4251   253  228 2003 5834
## 2321 2334 2353 2369 2371 2373 2377 2381 2392 2406 2410 2412 2440 2442 2443 2449
## 6463 3233 4070  120 3067 3762 1117 3513 2903 2654 4410   32 6697  543 3900 2533
## 2462 2472 2480 2490 2496 2501 2507 2516 2518 2520 2549 2552 2560 2572 2580 2591
## 6379 1554  954 3362 4122 3152 5457 2470 1611 5917 3856 5238 1879 4689 2092 6043
## 2594 2602 2626 2651 2655 2657 2671 2677 2683 2696 2698 2699 2700 2725 2737 2749
## 5370   61 2499  666 2610 1772  102 3568  483 5989 6445 5038 6301 5788 1081 5615
## 2759 2760 2761 2771 2796 2804 2806 2817 2821 2824 2826 2838 2845 2852 2883 2888
## 141 2042 1790 2007 5807   41 5002 6829 3387   35 3261 3046 2792 5131  993 5661
## 2893 2897 2899 2911 2925 2929 2936 2951 2962 2984 2989 2996 3002 3017 3021 3022
## 304   143 3710  759  456 1631 6405 3752  834  371 1953 6609 5707   95 4506 6264
## 3023 3059 3061 3067 3080 3088 3099 3100 3107 3110 3112 3119 3146 3187 3203 3234
## 1959 6651 3359  104 6880 4698  280 3323  562 3377   59 3552 2676 5322 3112 4463
## 3245 3246 3249 3255 3261 3264 3279 3280 3281 3282 3313 3314 3317 3321 3330 3341
## 4714 4162   13 3344  596 6807  707 1067 6680 1719 3448
## 3348 3350 3365 3385 3392 3395 3403 3407 3410 3427 3431

```

**# identify the outliers**

```

r <- rstandard(model16)
which(r < -2 | r > 2)

```

```

##   28  940 1709  384   2  439  273  173  325  326  408   97 1073  471  910 1149
##   21   36   70   77 104 127 171 216 233 247 261 276 280 314 323 341
##  587 1035 1818  556 1187 1419 409 290 595 402   5 39 1517  92 3286 2100
##  351  355  367  389  401  453  461  465 488 489 518 536 554 580 585 590
## 1584 1061  772 4792  604  438  613 1200   36 850 309 145 1674   33  31 1653
##  607  636  648  662  669  673  681  688 728 739 744 764 794 819 832 852
##  136  449  267 1998 1157  648   65 3249   3 1253 528 1890 1282 294 501 1336
##  855  882  883  896  897  900  912  930 978 988 1001 1008 1013 1018 1032 1059
##  991  236  196   48   90 244  165  381   12 679 965 810 503 3225   19 1186
## 1070 1086 1165 1233 1239 1241 1255 1287 1288 1293 1297 1395 1417 1437 1452 1497
## 1312  507    9 1237  558 1267 2273  375 1345 1127 937 450 1797 1559 1010 2413
## 1532 1596 1599 1626 1645 1690 1707 1749 1777 1791 1808 1813 1819 1838 1885 1888
## 1573 1494   24 2383  295 1204   11 589 1125 691 1495 307 334 152 2582 860
## 1901 1919 1928 1941 1946 1964 1993 2044 2076 2079 2080 2084 2098 2119 2136 2150
##  633  220   71   14 241  188   44 634 1163 1295 415 425 1159 253 664 396
## 2155 2187 2195 2198 2221 2225 2233 2235 2237 2273 2299 2317 2413 2440 2445 2467
##  437  127  493   32 352 3635 1554 447 169 255 140 277 537 2941 700   78
## 2470 2497 2504 2552 2566 2598 2602 2608 2618 2620 2636 2659 2684 2706 2730 2750
##  3371   61 102 452 1500 2807 1725   35 30 1333  42 888  94 143 694 456
## 2756 2760 2806 2849 2882 2884 2939 2984 2997 3008 3020 3026 3030 3059 3078 3080
##  161  282  419  412 1363  104 478 2058  280 2676 1568 389 2962   13 190 616
## 3087 3090 3093 3145 3237 3255 3270 3278 3279 3317 3346 3361 3364 3365 3367 3394
##  741 1083  586 2442

```

```

## 3413 3416 3436 3443
which(r < -4 | r > 4)

##   940   439   326    39   850    31   267     3   991   196   165   12   810   503    19     9
##    36   127   247   536   739   832   883   978  1070  1165  1255  1288  1395  1417  1452  1599
## 1237   558  1010   307   633   220    44   634   140   700    42   888    94
## 1626  1645  1885  2084  2155  2187  2233  2235  2636  2730  3020  3026  3030

# identify influential points by Cook's distance
D <- cooks.distance(model6)
which(D > Dcut)

##   31
## 832

# identify influential points by DFFITS
fits <- dfits(model6)
which(abs(fits) > DFFITScut)

##    28   940  1709   384     2   439   771   273   173   325   326   408    97   471   567  1818
##    21    36    70    77   104   127   151   171   216   233   247   261   276   314   338   367
##   187   556  1419   409   290   595   402     5    39    92  3286  1584  1540  4792   604   438
##   384   389   453   461   465   488   489   518   536   580   585   607   634   662   669   673
##   613   181   199   239    36   850   309   145   109    33    31  1653   136   267  1998  3696
##   681   683   686   714   728   739   744   764   811   819   832   852   855   883   896   899
##   65  2773   324     3  1253   528   1037  1890  1282   294  1336   991   236   339  3122   272
##   912   927   962   978   988  1001  1005  1008  1013  1018  1059  1070  1086  1096  1121  1133
##   196    45    48    90   244   165   269   500   381    12   679   386   1486   810    20   503
##  1165  1169  1233  1239  1241  1255  1271  1286  1287  1288  1293  1334  1344  1395  1401  1417
##  3225    19  1312   507     9   678  1237   558   375  1345   429  1127   450  1010  2413    24
##  1437  1452  1532  1596  1599  1600  1626  1645  1749  1777  1790  1791  1813  1885  1888  1928
## 1091  2383   295  1204    11  3928  1125  1495   307   334   152  2582   860   633   220    71
## 1937  1941  1946  1964  1993  1998  2076  2080  2084  2098  2119  2136  2150  2155  2187  2195
##   754    14   241   188     44   634  1163   415   297    96  3813  1159   354   253   396   437
##  2196  2198  2221  2225  2233  2235  2237  2299  2301  2334  2392  2413  2425  2440  2467  2470
##   120   493    32   352  1554   447   169   255   140   212  5457  1611   537  2941   700    78
##  2490  2504  2552  2566  2602  2608  2618  2620  2636  2658  2671  2683  2684  2706  2730  2750
##    61   102   483   974  6301  2807   141  2042    41   217    35    30  1333    42   888    94
##  2760  2806  2821  2830  2845  2884  2893  2897  2929  2981  2984  2997  3008  3020  3026  3030
##   143   694   456   161   282   419   371   412    95  1363   104   478   280  3377    59  2676
##  3059  3078  3080  3087  3090  3093  3110  3145  3187  3237  3255  3270  3279  3282  3313  3317
##   389     13   190   616   707  1083  2442
##  3361  3365  3367  3394  3403  3416  3443

# identify influential points by DFBETAS
betas <- dfbetas(model6)
dim(betas)

## [1] 3447   22
for(i in 1:10){
  print(paste0("Beta ", i-1))
  print(which(abs(betas[,i]) > DFBETAcut))
}

## [1] "Beta 0"
##   940   979   439  5293  1172   273  4510  1521   325  1712   326   408  1470    97  5391   910

```

```

##   36  112  127  140  147  171  183  230  233  243  247  261  275  276  287  323
## 1035 556 1187 380 409 595 402 4102    5  39 3604 3286 1055 613 199 1200
## 355 389 401 420 461 488 489 498 518 536 543 585 666 681 686 688
## 3093 850 309 2472 2157 31 6375 136 267 1998 65 324 1282 294 991 236
## 734 739 744 792 829 832 848 855 883 896 912 962 1013 1018 1070 1086
## 5167 196 6776 1692 5036 48 244 5833 165 381 965 6461 5467 6305 5733 810
## 1147 1165 1172 1191 1208 1233 1241 1242 1255 1287 1297 1318 1330 1369 1374 1395
## 503 1350 3551 1186 1056 6318 507 1237 6216 558 5955 1755 1267 2273 375 1481
## 1417 1454 1486 1497 1543 1589 1596 1626 1628 1645 1657 1673 1690 1707 1749 1755
## 4907 1345 6650 1179 1127 5557 1714 6435 5981 1573 24 688 2383 6176 295 6165
## 1776 1777 1781 1783 1791 1793 1823 1836 1890 1901 1928 1930 1941 1944 1946 1981
## 11 589 5909 1256 1125 1495 307 311 633 1017 754 14 188 44 634 1163
## 1993 2044 2062 2068 2076 2080 2084 2142 2155 2190 2196 2198 2225 2233 2235 2237
## 873 1295 415 425 6811 2323 6647 3394 5933 1929 1159 664 493 2733 134 1554
## 2256 2273 2299 2317 2340 2362 2367 2374 2378 2382 2413 2445 2504 2565 2590 2602
## 447 4029 169 1757 277 3421 537 4889 2941 700 78 3371 4151 61 2807 6515
## 2608 2610 2618 2639 2659 2678 2684 2701 2706 2730 2750 2756 2757 2760 2884 2931
## 1725 2578 4898 1750 30 1988 888 1229 1205 2405 3460 419 6405 2866 412 95
## 2939 2955 2976 2988 2997 3019 3026 3029 3048 3058 3092 3093 3099 3108 3145 3187
## 941 3407 1363 3681 104 13 190 741
## 3205 3223 3237 3252 3255 3365 3367 3413
## [1] "Beta 1"
## 4048 28 2 686 5293 273 173 326 1093 318 408 97 910 567 1035 421
## 20 21 104 123 140 171 216 247 248 256 261 276 323 338 355 387
## 556 257 1419 290 5 39 1517 3286 1061 4792 5538 6017 604 438 613 181
## 389 427 453 465 518 536 554 585 636 662 665 667 669 673 681 683
## 199 4315 239 36 850 309 145 495 1674 33 31 1653 136 449 267 1998
## 686 687 714 728 739 744 764 783 794 819 832 852 855 882 883 896
## 3696 3249 324 3 528 1890 294 2496 1336 991 3122 272 196 701 45 2744
## 899 930 962 978 1001 1008 1018 1052 1059 1070 1121 1133 1165 1168 1169 1174
## 2891 5781 1683 48 90 244 165 269 679 6640 315 20 3225 737 5436 5173
## 1180 1184 1189 1233 1239 1241 1255 1271 1293 1331 1397 1401 1437 1461 1541 1563
## 6318 507 9 1237 558 119 816 375 6650 2413 24 818 1204 11 589 592
## 1589 1596 1599 1626 1645 1656 1695 1749 1781 1888 1928 1934 1964 1993 2044 2056
## 1793 307 334 6732 2582 79 633 220 4020 71 754 14 6569 950 241 634
## 2064 2084 2098 2123 2136 2140 2155 2187 2188 2195 2196 2198 2208 2217 2221 2235
## 1163 4221 6032 415 425 149 6200 354 253 155 396 437 944 120 493 32
## 2237 2253 2285 2299 2317 2359 2407 2425 2440 2464 2467 2470 2486 2490 2504 2552
## 638 6697 535 1554 6727 169 255 140 537 4889 1997 700 78 102 1133 452
## 2554 2560 2600 2602 2604 2618 2620 2636 2684 2701 2704 2730 2750 2806 2842 2849
## 5771 5615 1038 35 1750 30 42 888 1229 94 143 161 580 371 412 105
## 2872 2888 2946 2984 2988 2997 3020 3026 3029 3030 3059 3087 3096 3110 3145 3156
## 95 953 3407 6723 1363 3681 104 389 13 190 616 171
## 3187 3208 3223 3235 3237 3252 3255 3361 3365 3367 3394 3409
## [1] "Beta 2"
## 4048 28 2 4067 686 5293 273 173 326 1093 318 408 97 910 567 1035
## 20 21 104 116 123 140 171 216 247 248 256 261 276 323 338 355
## 421 556 1419 5 39 1517 3286 4792 5538 6017 604 438 613 181 199 4315
## 387 389 453 518 536 554 585 662 665 667 669 673 681 683 686 687
## 239 6219 36 850 309 145 495 1674 33 31 136 449 267 1998 3696 3249
## 714 721 728 739 744 764 783 794 819 832 855 882 883 896 899 930
## 324 3 528 1890 294 2496 1336 991 3122 272 196 701 45 2744 2891 5781
## 962 978 1001 1008 1018 1052 1059 1070 1121 1133 1165 1168 1169 1174 1174 1180 1184
## 1683 48 90 244 165 12 679 6640 315 737 5436 5173 6318 507 9 1237

```

```

## 1189 1233 1239 1241 1255 1288 1293 1331 1397 1461 1541 1563 1589 1596 1599 1626
## 119 375 6650 2413 24 818 1204 3775 11 592 1793 307 334 6732 2582 79
## 1656 1749 1781 1888 1928 1934 1964 1985 1993 2056 2064 2084 2098 2123 2136 2140
## 633 220 4020 71 754 14 6569 241 1163 4221 6032 415 425 149 6200 354
## 2155 2187 2188 2195 2196 2198 2208 2221 2237 2253 2285 2299 2317 2359 2407 2425
## 253 155 396 437 120 493 32 638 6697 535 1554 6727 169 255 140 537
## 2440 2464 2467 2470 2490 2504 2552 2554 2560 2600 2602 2604 2618 2620 2636 2684
## 1997 700 78 102 452 5771 5615 35 30 42 94 143 161 580 371 105
## 2704 2730 2750 2806 2849 2872 2888 2984 2997 3020 3030 3059 3087 3096 3110 3156
## 95 953 6723 1363 3681 104 389 13 190 616 171
## 3187 3208 3235 3237 3252 3255 3361 3365 3367 3394 3409
## [1] "Beta 3"
## 1709 2 325 5 39 850 31 2773 3 2041 991 3122 196 12 9 1237
## 70 104 233 518 536 739 832 927 978 1069 1070 1121 1165 1288 1599 1626
## 4103 1091 11 754 634 1163 2348 5457 4689 700 78 2042 41 35 759 3448
## 1935 1937 1993 2196 2235 2237 2280 2671 2725 2730 2750 2897 2929 2984 3067 3431
## [1] "Beta 4"
## 2925 3079 5482 6696 1709 686 6421 1023 1633 325 567 380 4227 39 4793 850
## 13 17 41 69 70 123 133 187 227 233 338 420 473 536 576 739
## 309 313 31 1812 2773 2041 991 497 196 554 381 12 153 2266 1665 6300
## 744 790 832 879 927 1069 1070 1148 1165 1253 1287 1288 1372 1392 1394 1494
## 29 507 1237 558 3761 5944 1179 1494 971 5696 754 14 950 44 634 223
## 1522 1596 1626 1645 1741 1762 1783 1919 2125 2129 2196 2198 2217 2233 2235 2261
## 2640 1899 415 1353 852 2003 2903 1415 4122 212 700 5370 2499 6221 2042 41
## 2262 2278 2299 2325 2402 2443 2518 2642 2655 2658 2730 2759 2761 2876 2897 2929
## 35 304 759 282 419 3359 562 2620 4714 13 596 1885 3448 60
## 2984 3023 3067 3090 3093 3249 3281 3305 3348 3365 3392 3423 3431 3445
## [1] "Beta 5"
## 2925 5482 1709 2503 439 6421 5293 1686 325 1093 471 910 484 1411 6519 4227
## 13 41 70 78 127 133 140 161 233 248 314 323 365 366 433 473
## 595 6006 39 4793 3286 6840 613 199 2562 850 309 31 1868 136 1795 6053
## 488 490 536 576 585 610 681 686 690 739 744 832 835 855 861 870
## 6471 2773 324 6889 2041 991 5167 196 701 1683 90 12 6612 1189 810 6300
## 918 927 962 966 1069 1070 1147 1165 1168 1189 1239 1288 1328 1346 1395 1494
## 1857 6318 507 9 1237 6216 558 6873 6650 1337 5988 6435 2383 11 1125 6884
## 1536 1589 1596 1599 1626 1628 1645 1674 1781 1784 1807 1836 1941 1993 2076 2115
## 5696 860 633 2062 1044 754 6533 14 44 634 1163 2640 2448 6542 6425 2003
## 2129 2150 2155 2169 2172 2196 2197 2198 2233 2235 2237 2262 2266 2352 2441 2443
## 120 6303 2903 6339 1108 1554 4122 2742 2941 700 78 5370 2499 6570 6536 974
## 2490 2512 2518 2532 2578 2602 2655 2667 2706 2730 2750 2759 2761 2775 2828 2830
## 6106 2807 5868 2042 6486 41 6890 5646 35 304 759 694 3460 371 95 1363
## 2869 2884 2885 2897 2913 2929 2954 2969 2984 3023 3067 3078 3092 3110 3187 3237
## 104 4714 3448
## 3255 3348 3431
## [1] "Beta 6"
## 2925 940 5482 1709 439 6421 5293 747 325 408 910 556 1003 4227 423 595
## 13 36 41 70 127 133 140 211 233 261 323 389 391 473 485 488
## 411 39 4793 3286 841 613 199 850 309 798 31 2773 324 3 2041 991
## 495 536 576 585 679 681 686 739 744 818 832 927 962 978 1069 1070
## 6875 5167 196 244 5833 12 534 810 6019 6300 6318 507 9 1237 6216 558
## 1142 1147 1165 1241 1242 1288 1312 1395 1466 1494 1589 1596 1599 1626 1628 1645
## 1414 6650 6435 1211 752 2383 295 6856 11 1125 5696 633 754 14 44 634
## 1737 1781 1836 1871 1878 1941 1946 1979 1993 2076 2129 2155 2196 2198 2233 2235
## 1163 2640 415 354 2003 2903 6697 1554 6727 4122 743 2941 1378 700 78 5370

```

```

## 2237 2262 2299 2425 2443 2518 2560 2602 2604 2655 2682 2706 2711 2730 2750 2759
## 2499 1632 2807 2042 41 725 1388 35 304 94 759 161 1019 3460 419 1356
## 2761 2779 2884 2897 2929 2952 2957 2984 3023 3030 3067 3087 3089 3092 3093 3144
## 95 6120 3407 1363 104 562 4714 3448
## 3187 3189 3223 3237 3255 3281 3348 3431
## [1] "Beta 7"
## 2925 5482 1709 4525 979 6421 1023 4227 39 4793 2100 4980 3093 850 309 4228
## 13 41 70 108 112 133 187 473 536 576 590 614 734 739 744 772
## 31 4632 6375 1998 2773 3249 324 6084 3 1890 1336 2041 991 196 2891 12
## 832 838 848 896 927 930 962 972 978 1008 1059 1069 1070 1165 1180 1288
## 699 6057 810 3225 1592 6300 3001 9 3690 3761 4907 6435 1010 2413 2383 1204
## 1365 1388 1395 1437 1464 1494 1592 1599 1725 1741 1776 1836 1885 1888 1941 1964
## 11 4365 1125 5862 5696 2582 311 634 1163 2640 1888 149 5933 2003 2903 3471
## 1993 2032 2076 2078 2129 2136 2142 2235 2237 2262 2306 2359 2378 2443 2518 2579
## 134 1554 4029 4122 700 3802 4151 5370 2499 2042 41 2578 6479 35 304 759
## 2590 2602 2610 2655 2730 2745 2757 2759 2761 2897 2929 2955 2970 2984 3023 3067
## 681 2866 1363 3359 104 562 4714 2962 596 3448
## 3091 3108 3237 3249 3255 3281 3348 3364 3392 3431
## [1] "Beta 8"
## 2925 2750 940 5482 1709 439 6421 5293 6741 1521 325 326 910 556 383 4227
## 13 32 36 41 70 127 133 140 198 230 233 247 323 389 467 473
## 595 402 5 39 3286 617 613 199 4857 850 309 109 31 6694 6375 267
## 488 489 518 536 585 664 681 686 724 739 744 811 832 833 848 883
## 3696 2773 324 1253 294 2041 991 4697 158 5167 196 45 48 244 5833 269
## 899 927 962 988 1018 1069 1070 1106 1127 1147 1165 1169 1233 1241 1242 1271
## 12 1486 2451 4324 3891 503 6300 1186 6318 507 1237 6216 558 856 5032 4907
## 1288 1344 1358 1366 1398 1417 1494 1497 1589 1596 1626 1628 1645 1654 1687 1776
## 6650 429 5557 6435 2194 230 1573 24 2383 1125 307 152 5696 4658 633 837
## 1781 1790 1793 1836 1861 1900 1901 1928 1941 2076 2084 2119 2129 2154 2155 2181
## 3245 71 754 14 44 634 1163 2640 297 96 1112 2003 664 3513 32 1554
## 2185 2195 2196 2198 2233 2235 2237 2262 2301 2334 2406 2443 2445 2516 2552 2602
## 169 4122 1611 5238 1879 4889 2941 700 78 5370 2499 1063 102 2807 141 2042
## 2618 2655 2683 2699 2700 2701 2706 2730 2750 2759 2761 2766 2806 2884 2893 2897
## 41 5002 35 3261 30 304 888 94 143 759 3460 419 95 3407 6264 1363
## 2929 2936 2984 2989 2997 3023 3026 3030 3059 3067 3092 3093 3187 3223 3234 3237
## 104 4698 59 3112 4714 13 707 741 3448
## 3255 3264 3313 3330 3348 3365 3403 3413 3431
## [1] "Beta 9"
## 2925 940 5482 1709 1220 6421 5293 1172 1023 1521 325 1470 910 587 556 1187
## 13 36 41 70 94 133 140 147 187 230 233 275 323 351 389 401
## 4227 595 5 39 4793 3286 1055 239 850 309 31 136 2773 2041 991 5167
## 473 488 518 536 576 585 666 714 739 744 832 855 927 1069 1070 1147
## 196 5833 165 1020 12 965 1350 6300 6318 507 1237 6216 558 3761 1345 6650
## 1165 1242 1255 1259 1288 1297 1454 1494 1589 1596 1626 1628 1645 1741 1777 1781
## 5557 6435 688 2383 1125 691 334 5696 220 754 14 188 44 634 1163 2640
## 1793 1836 1930 1941 2076 2079 2098 2129 2187 2196 2198 2225 2233 2235 2237 2262
## 415 2003 437 2903 1554 447 4122 537 2941 700 78 3371 5370 61 2499 1085
## 2299 2443 2470 2518 2602 2608 2655 2684 2706 2730 2750 2756 2759 2760 2761 2812
## 2807 2042 41 35 30 304 759 3460 419 1261 562 4714 13 190 596 616
## 2884 2897 2929 2984 2997 3023 3067 3092 3093 3101 3281 3348 3365 3367 3392 3394
## 171 3448
## 3409 3431

```

366 leverage points were identified. 180 outliers were identified when the dataset was considered “small”,

while 29 outliers were identified when the dataset was considered “large”. One observation was identified as being influential on the entire regression surface. 183 observations were identified as ones who influenced their own fitted values and between 32-172 observations being influential on at least one estimated coefficient.

## Validation

```
# so transform the test set data
test$sqrtNa_Sales <- sqrt(test$NA_Sales)
test$sqrtEU_Sales <- sqrt(test$EU_Sales)
test$sqrtOther_Sales <- sqrt(test$Other_Sales)
test$sqCritic_Score <- (test$Critic_Score)^2
test$sqUser_Score <- (test$Critic_Score)^3

# details from model6
p1 <- length(coef(model6))-1
n1 <- nrow(train)
vif1 <- max(vif(model6))
D1 <- length(which(cooks.distance(model6) > qf(0.5, p1+1,
                                                 n1-p1-1)))
fits1 <- length(which(abs(dffits(model6)) > 2*sqrt((p1+1)/n1)))

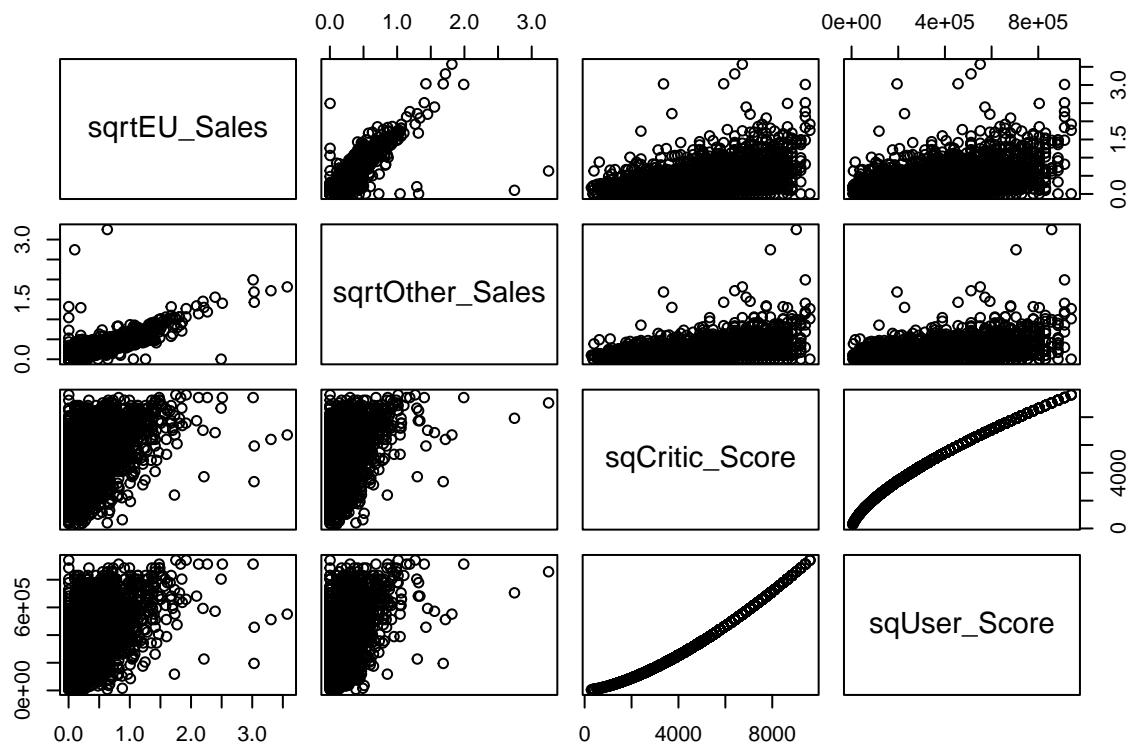
coefs1 <- round(summary(model6)$coefficients[,1], 3)
ses1 <- round(summary(model6)$coefficients[,2], 3)

# fit test dataset
temp1test <- lm(sqrtNa_Sales ~ sqUser_Score + sqCritic_Score +
                  Platform + sqrtEU_Sales + sqrtOther_Sales +
                  Year_of_Release, data=test)

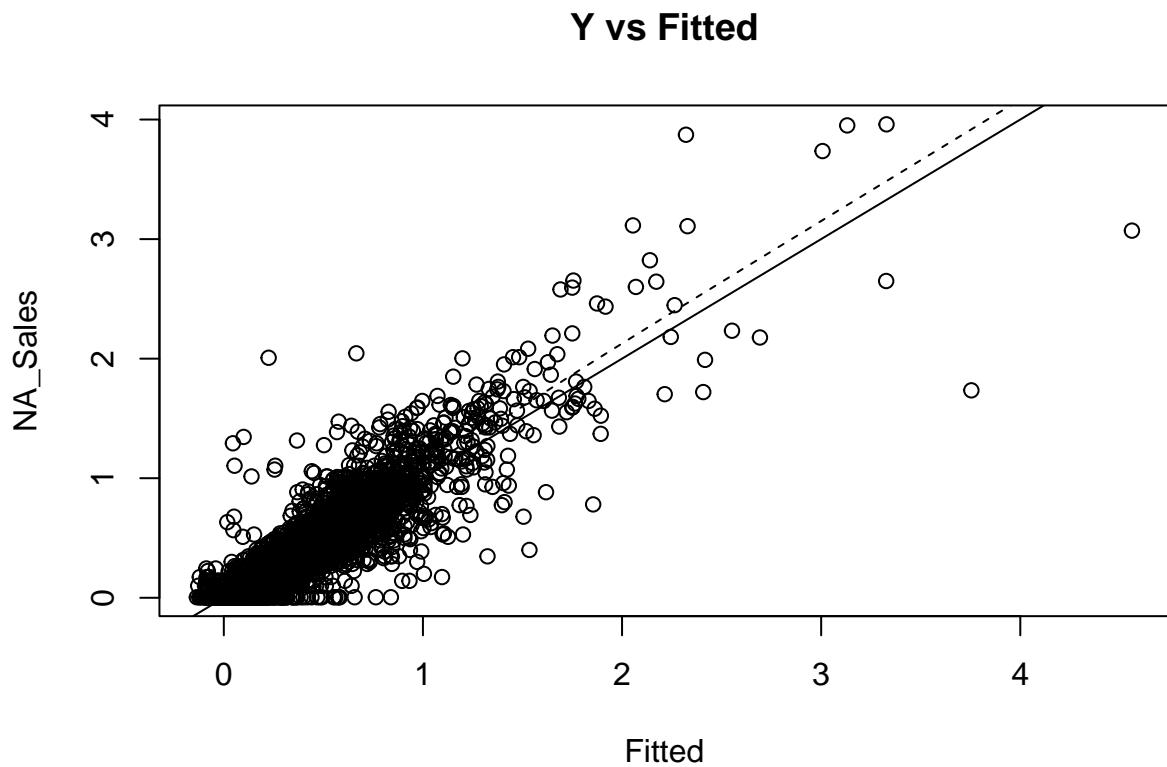
tp1 <- length(coef(temp1test))-1
tn1 <- nrow(test)
tvif1 <- max(vif(temp1test))
tD1 <- length(which(cooks.distance(temp1test) > qf(0.5, tp1+1,
                                                 tn1-tp1-1)))
tfits1 <- length(which(abs(dffits(temp1test)) > 2*sqrt((tp1+1)/tn1)))

tcoefs1 <- round(summary(temp1test)$coefficients[,1], 3)
tses1 <- round(summary(temp1test)$coefficients[,2], 3)

pairs(train[,c(18 , 20, 21, 22)])
```



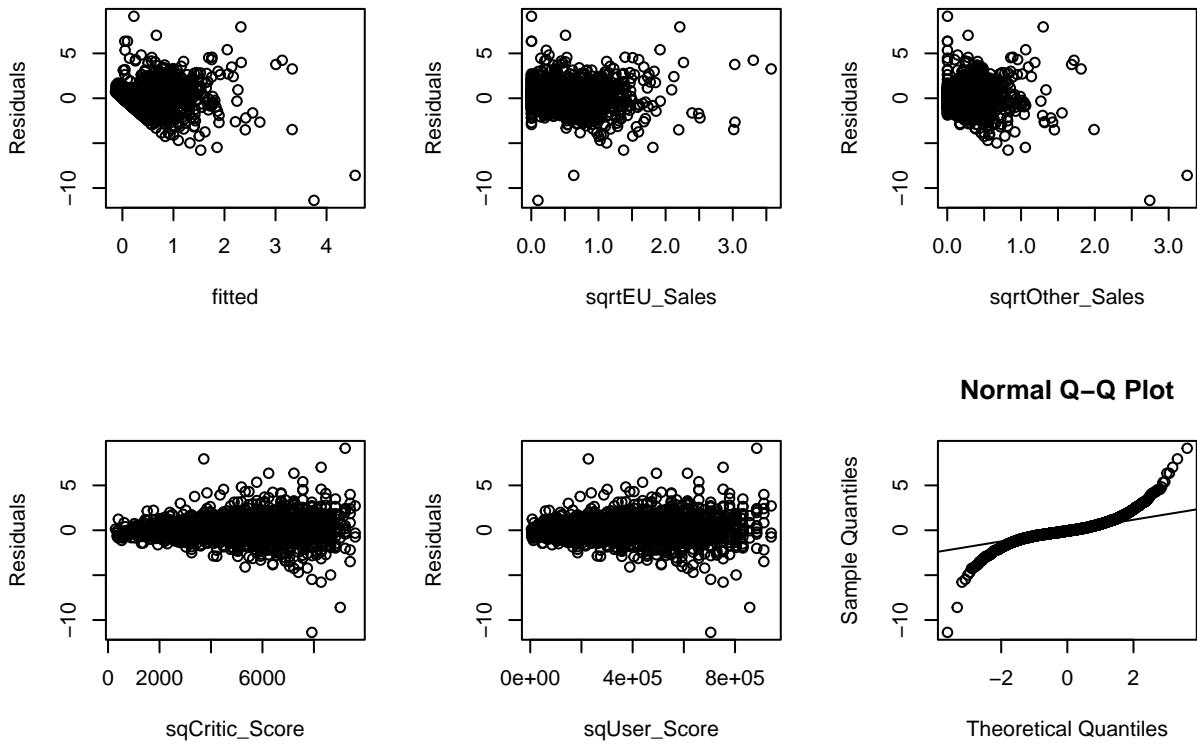
```
plot(train$sqrtNa_Sales ~ fitted(model6), main="Y vs Fitted", xlab="Fitted", ylab="NA_Sales")
lines(lowess(train$sqrtNa_Sales ~ fitted(model6)), lty=2)
abline(a = 0, b = 1)
```



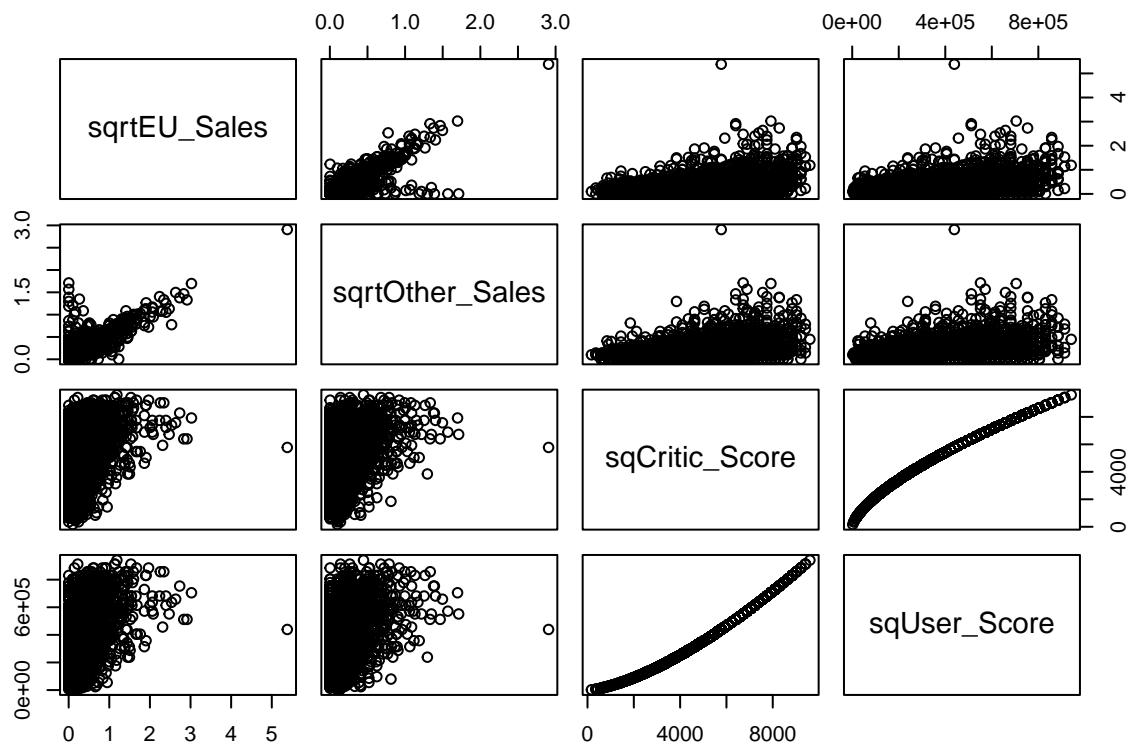
```

par(mfrow=c(2,3))
plot(rstandard(model6)~fitted(model6), xlab="fitted", ylab="Residuals")
for(i in c(18 , 20, 21, 22)){
  plot(rstandard(model6)~train[,i], xlab=names(train)[i], ylab="Residuals")
}
qqnorm(rstandard(model6))
qqline(rstandard(model6))

```



```
pairs(test[,c(18, 19, 20, 21)])
```

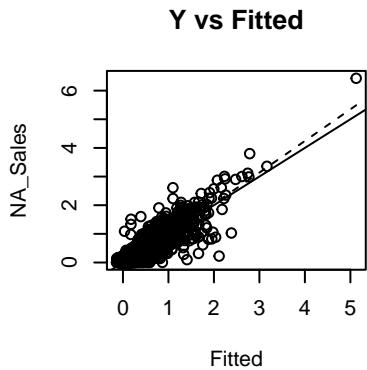


```

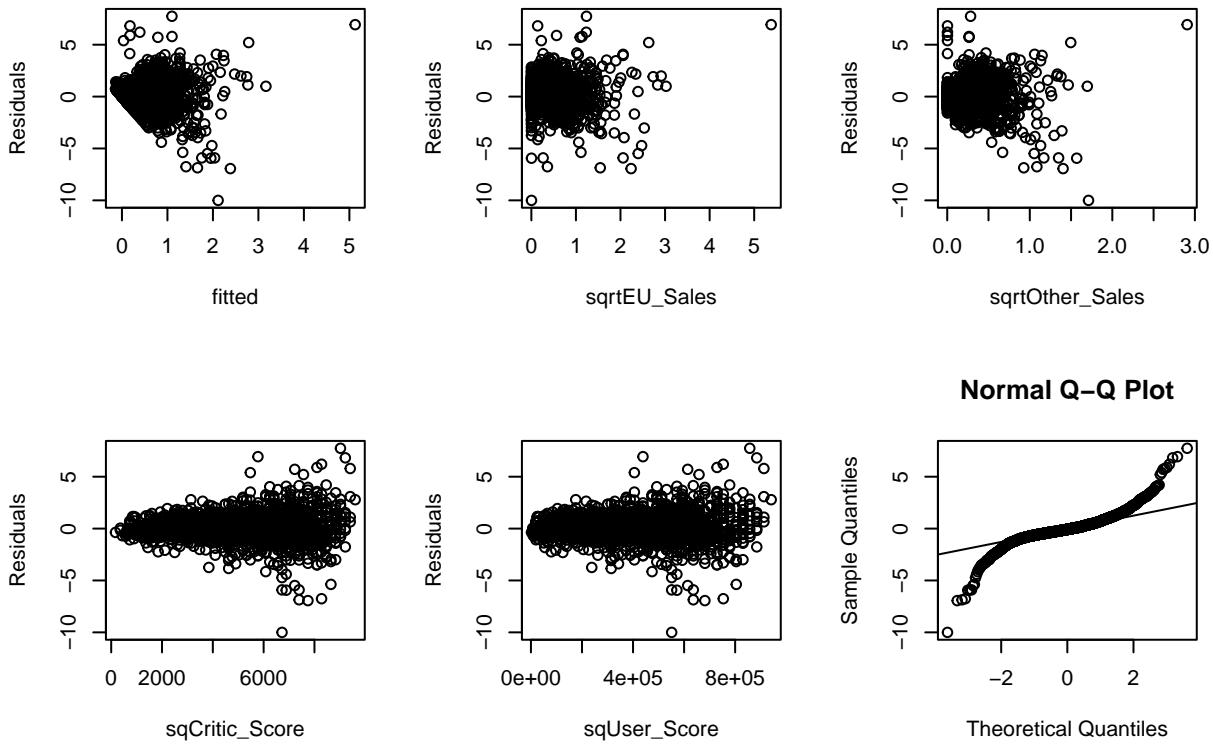
plot(test$sqrtNa_Sales ~ fitted(temp1test), main="Y vs Fitted", xlab="Fitted", ylab="NA_Sales")
lines(lowess(test$sqrtNa_Sales ~ fitted(temp1test)), lty=2)
abline(a = 0, b = 1)

par(mfrow=c(2,3))

```



```
plot(rstandard(temp1test)~fitted(temp1test), xlab="fitted", ylab="Residuals")
for(i in c(18 ,19, 20, 21)){
  plot(rstandard(temp1test)~test[,i], xlab=names(test)[i], ylab="Residuals")
}
qqnorm(rstandard(temp1test))
qqline(rstandard(temp1test))
```



```
summary(model6)
```

```
##
## Call:
## lm(formula = sqrtNa_Sales ~ sqUser_Score + sqCritic_Score + Platform +
##     sqrtEU_Sales + sqrtOther_Sales + Year_of_Release, data = train)
##
## Residuals:
##      Min        1Q        Median        3Q       Max
## -2.01938 -0.08630 -0.01614  0.07335  1.78238
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)    
## (Intercept) 2.218e+01  3.230e+00   6.868 7.72e-12 ***
## sqUser_Score 6.656e-07  1.541e-07   4.318 1.62e-05 ***
## sqCritic_Score -4.940e-05 1.595e-05  -3.096  0.00198 ** 
## PlatformDC -3.314e-01  7.640e-02  -4.338 1.48e-05 ***
## PlatformDS -7.625e-03  2.743e-02  -0.278  0.78105  
## PlatformGBA  4.511e-02  3.335e-02   1.352  0.17634  
## PlatformGC  6.289e-02  3.080e-02   2.042  0.04123 *  
## PlatformPC -2.513e-01  2.563e-02  -9.803 < 2e-16 ***
## PlatformPS -7.167e-02  3.815e-02  -1.879  0.06039 .  
## PlatformPS2 -1.537e-01  2.811e-02  -5.468 4.89e-08 ***
## PlatformPS3 -1.407e-01  2.494e-02  -5.642 1.81e-08 *** 
## PlatformPS4 -1.831e-01  2.828e-02  -6.476 1.08e-10 *** 
## PlatformPSP -1.353e-01  2.795e-02  -4.839 1.36e-06 ***
```

```

## PlatformPSV      -1.761e-01  3.342e-02  -5.270  1.45e-07 ***
## PlatformWii       3.342e-02  2.691e-02   1.242  0.21445
## PlatformWiiU      1.711e-02  3.744e-02   0.457  0.64765
## PlatformX360      4.548e-02  2.476e-02   1.837  0.06634 .
## PlatformXB        1.163e-02  2.928e-02   0.397  0.69133
## PlatformXOne      4.104e-02  3.151e-02   1.302  0.19289
## sqrtEU_Sales     1.950e-01  1.850e-02  10.536 < 2e-16 ***
## sqrtOther_Sales   1.293e+00  3.287e-02  39.351 < 2e-16 ***
## Year_of_Release   -1.094e-02  1.605e-03  -6.814  1.12e-11 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1969 on 3425 degrees of freedom
## Multiple R-squared:  0.7562, Adjusted R-squared:  0.7548
## F-statistic:  506 on 21 and 3425 DF,  p-value: < 2.2e-16

```