DATA 607 HW 2 Aussie

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User Library plyr - Tools for Splitting, Applying and Combining Data

library(plyr) dat <- data.frame(read.csv("https://raw.githubusercontent.com/danielhong98/MSDA-Spring-2016/master/AusOpen-men-2013.csv", header = TRUE)) #Create a subset of Column Names - Quarter, Stock, Date, Close, Volume, Percent_Change_Price, Percent_Change_Volume_Over_Last_wk AussieOpen <- subset(dat, select = c(8, 10, 15, 16, 27, 29, 34, 35)) head(AussieOpen)

Rename Colums

names(AussieOpen) [1] <- "AcesPlyr1" names(AussieOpen) [2] <- "WinnersPlyr1" names(AussieOpen) [3] <- "NetPtsPlyr1" names(AussieOpen) [4] <- "TotalPtsPlyr1" names(AussieOpen) [5] <- "AcesPlyr2" names(AussieOpen) [6] <- "WinnersPlyr2" names(AussieOpen) [7] <- "NetPtsPlyr2" names(AussieOpen) [8] <- "TotalPtsPlyr2"

Sum columns, combine relevant columns

colSums(AussieOpen, na.rm=TRUE) Aces <- AussieOpen$AcesPlyr1 + AussieOpen$AcesPlyr2 Winners <- AussieOpen$WinnersPlyr1 + AussieOpen$WinnersPlyr2 NetPts <- AussieOpen$NetPtsPlyr1 + AussieOpen$NetPtsPlyr2 TotalPts <- Aces + Winners + NetPts sum(Aces) sum(Winners) sum(NetPts) sum(TotalPts)

Summary: Aces represent the largest portion of the points won (~67%) followed by Winners (~24%) then Net Points (~9%)

AcesPct <- sum(Aces)/sum(TotalPts) WinnersPct <- sum(Winners)/sum(TotalPts) NetPtsPct <- sum(NetPts)/sum(TotalPts) AcesPct WinnersPct NetPtsPct