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title: "Dashboard"

author: "Kyle Morris"

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output: word\_document

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```{r setup, include=FALSE}

library(readxl)

library(ggplot2)

library(scales)

library(reshape2)

```

```{r}

#Import Data

airlineSafety <- read.csv("airline-safety.csv", stringsAsFactors = FALSE)

totalPY <- sum(airlineSafety$fatalities\_85\_99)

totalCY <- sum(airlineSafety$fatalities\_00\_14)

airlineSafety$percentPY <- airlineSafety$fatalities\_85\_99 / totalPY

airlineSafety$percentCY <- airlineSafety$fatalities\_00\_14 / totalCY

# Here we've created a percentage field, how much of the total.

topFatality <- subset(airlineSafety, airlineSafety$percentCY > .05)

A <- sum(airlineSafety$avail\_seat\_km\_per\_week) -sum(topFatality$avail\_seat\_km\_per\_week)

B <- sum(airlineSafety$incidents\_85\_99) - sum(topFatality$incidents\_85\_99)

C <- sum(airlineSafety$fatal\_accidents\_85\_99) - sum(topFatality$fatal\_accidents\_85\_99)

D <- sum(airlineSafety$fatalities\_85\_99) - sum(topFatality$fatalities\_85\_99)

E <- sum(airlineSafety$incidents\_00\_14) - sum(topFatality$incidents\_00\_14)

F <- sum(airlineSafety$fatal\_accidents\_00\_14) - sum(topFatality$fatal\_accidents\_00\_14)

G <- sum(airlineSafety$fatalities\_00\_14) - sum(topFatality$fatalities\_00\_14)

H <- 1 - sum(topFatality$percentPY)

I <- 1 - sum(topFatality$percentCY)

# I wanted to look at just the top airlines by incidents, but I didn't want

# to ignore the other 49 airlines. This lets us see just how many of the

# crashes are attributable to the top airlines.

topFatality[nrow(topFatality) + 1,] = c("All Other (49 Airlines)", A, B, C, D, E, F, G, "other", H, I)

write.csv(topFatality,"topFatality.csv")

```

```{r}

airlineDeaths <- read.csv("airDeathsByYear.csv", stringsAsFactors = FALSE)

carMiles <- read.csv("carmiles.csv", stringsAsFactors = FALSE)

carDeaths <- read.csv("fatalitiesmm.csv")

carMiles$hunMillionMiles <- carMiles$millionMiles / 100

airlineDeaths$hunMillionMiles <- airlineDeaths$millionMiles/100

airlineDeaths$fatalitieshmm <- airlineDeaths$airFatalities / airlineDeaths$hunMillionMiles

airlineDeaths$carfatalitieshmm <- carDeaths$ï..fatalitiesmm

write.csv(airlineDeaths, "airdeaths.csv")

# This block of codes combines two dataframes, and also some of our statistics

# are in hundred million miles and others are in million, so I created

# those fields too.

```

```{r}

```