Game Stocks Analysis

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```r
library(tidyr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
library(ggplot2)
```

```r
l=c("ATVI.csv","GLUU.csv","GME.csv","ZNGA.csv","NTDOY.csv")
```

```r
company<-read.csv(l[1])
summary(company$Adj.Close,na.rm=T)
```
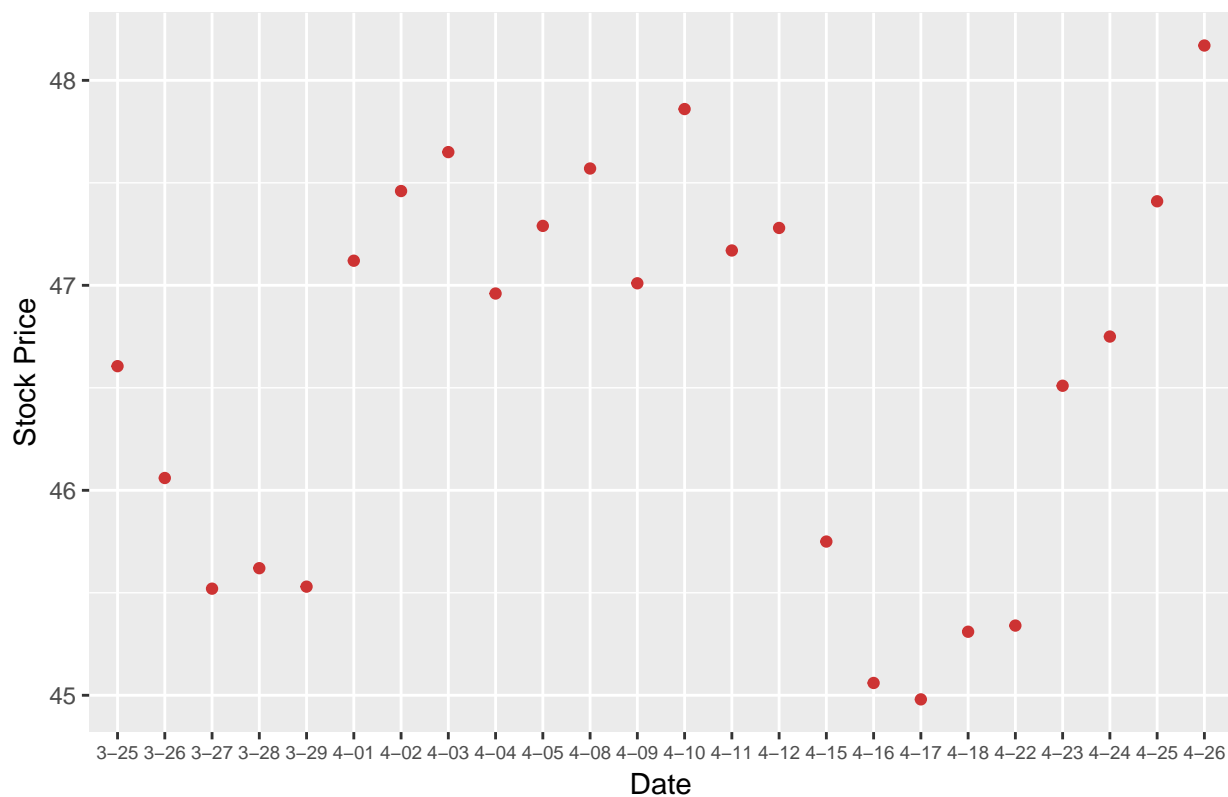
```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   44.98   45.60   46.85   46.58   47.32   48.17
```

```r
sd(company$Adj.Close,na.rm=T)
```

```
## [1] 0.9753497
```

```r
company %>%
  ggplot(aes(x=substring(Date,7,10), y=Adj.Close))+
  geom_point(color="brown3")+
  labs(x="Date",y="Stock Price",title=paste("Stock Price 2019","of Activation Blizzard, Inc.",sep=" "))+
  theme(axis.text.x=element_text(size=7))
```

Stock Price 2019 of Activation Blizzard, Inc.


```
company<-read.csv(l[2])

summary(company$Adj.Close,na.rm=T)
```
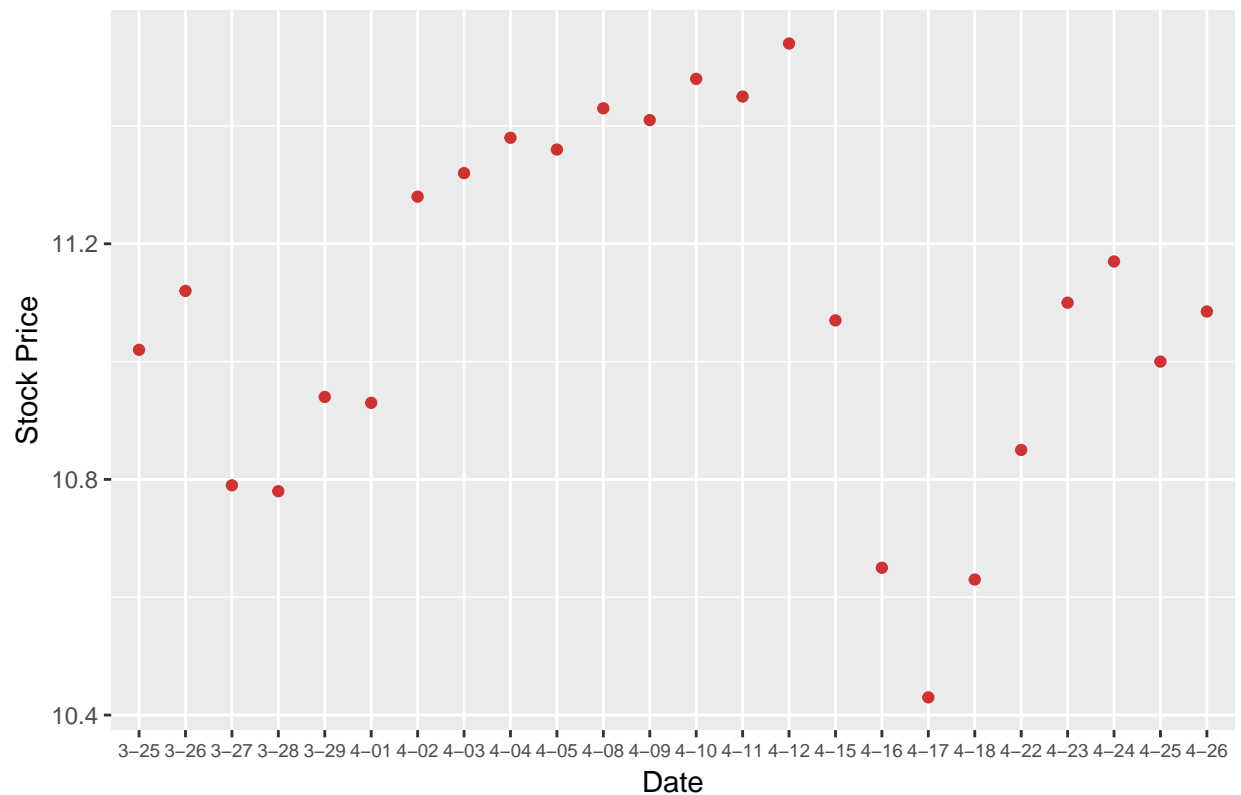
```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   10.43   10.91   11.09   11.09   11.37   11.54
```

```
sd(company$Adj.Close,na.rm=T)
```

```
## [1] 0.3022738
```

```
company %>%
  ggplot(aes(x=substring(Date,7,10), y=Adj.Close))+
  geom_point(color="brown3")+
  labs(x="Date",y="Stock Price",title=paste("Stock Price 2019","of Glu Mobile",sep=" "))+
  theme(axis.text.x=element_text(size=7))
```

Stock Price 2019 of Glu Mobile


```
company<-read.csv(l[3])

summary(company$Adj.Close,na.rm=T)

##     Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    8.650   8.947   9.790   9.587  10.110  10.370

sd(company$Adj.Close,na.rm=T)

## [1] 0.5877627

company %>%
  ggplot(aes(x=substring(Date,7,10), y=Adj.Close))+
  geom_point(color="brown3")+
  labs(x="Date",y="Stock Price",title=paste("Stock Price 2019","of GameStop Corp.",sep=" "))+
  theme(axis.text.x=element_text(size=7))
```
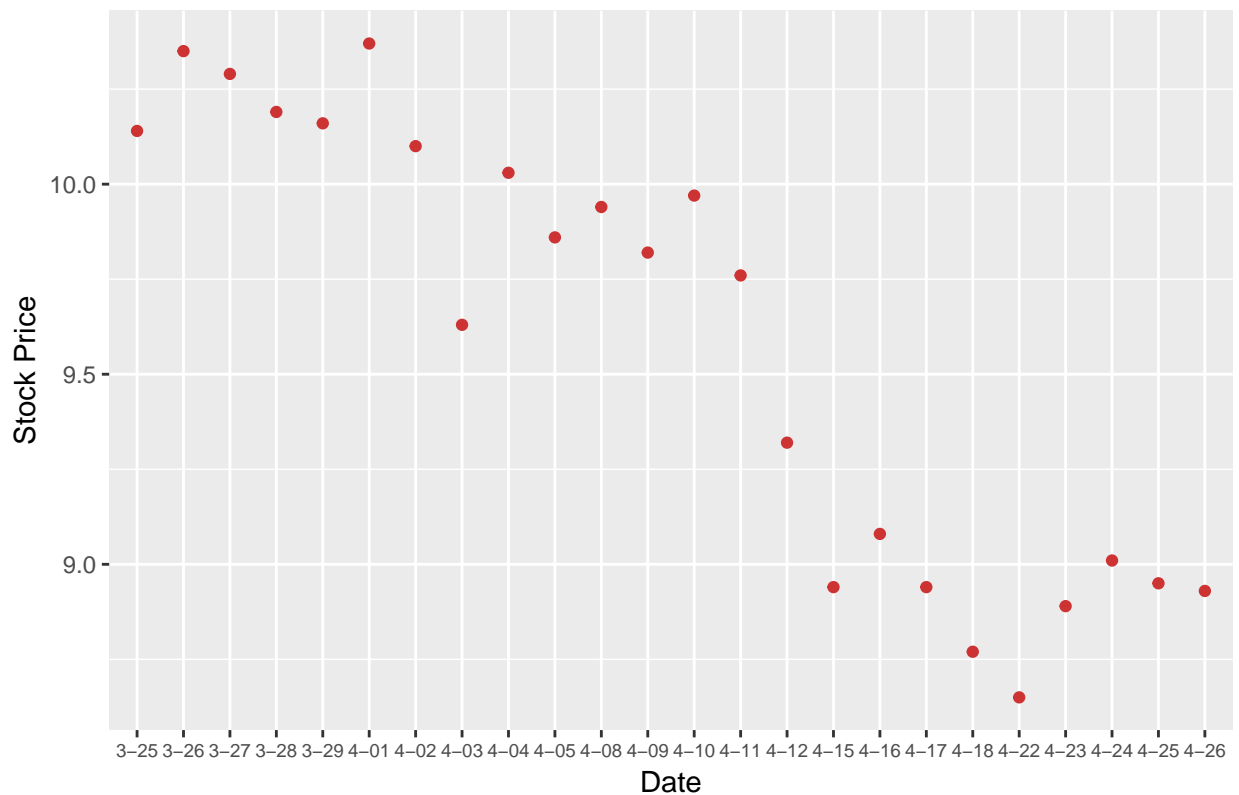
Stock Price 2019 of GameStop Corp.
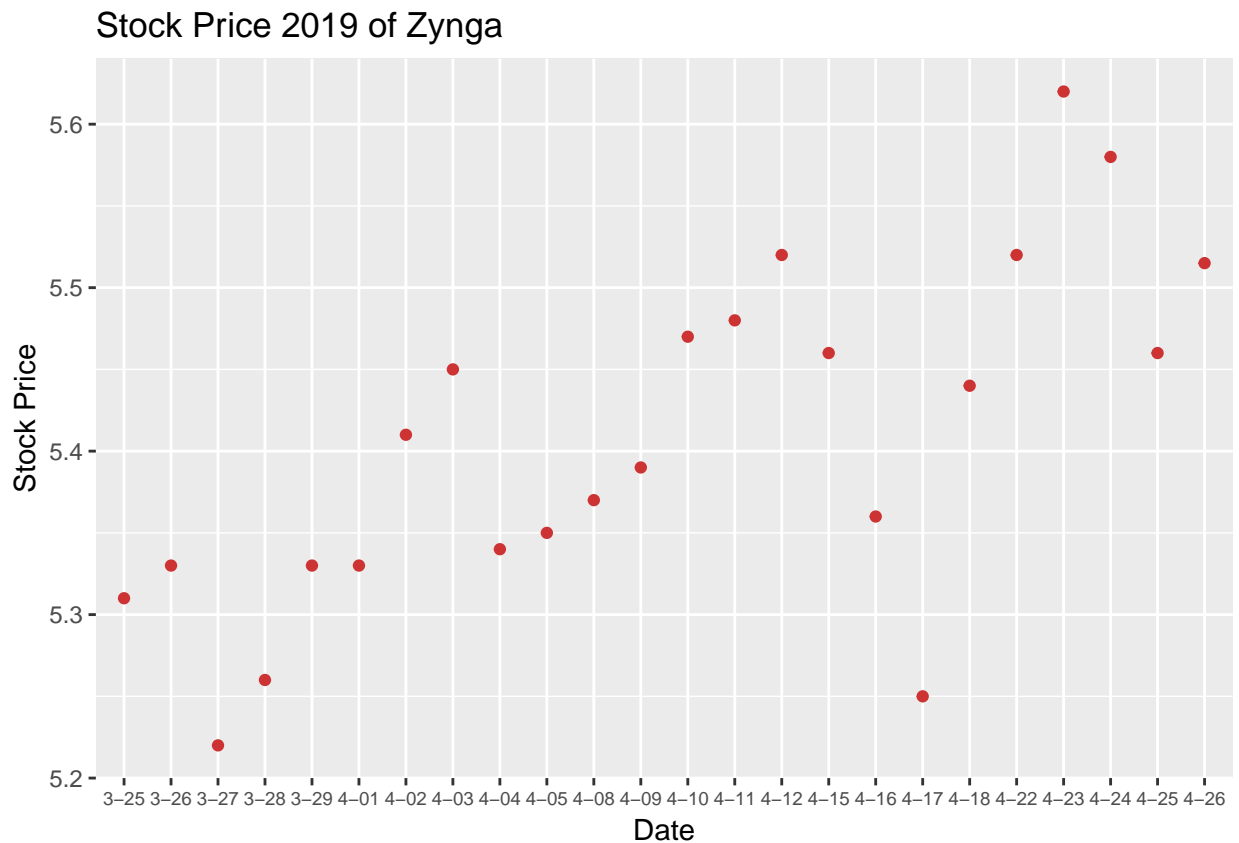


```
company<-read.csv(l[4])

summary(company$Adj.Close,na.rm=T)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   5.220   5.330   5.400   5.407   5.473   5.620
```

```
sd(company$Adj.Close,na.rm=T)
```

```
## [1] 0.1043386
```

```
company %>%
  ggplot(aes(x=substring(Date,7,10), y=Adj.Close))+
  geom_point(color="brown3")+
  labs(x="Date",y="Stock Price",title=paste("Stock Price 2019","of Zynga",sep=" "))+
  theme(axis.text.x=element_text(size=7))
```

Stock Price 2019 of Zynga


```
company<-read.csv(l[5])

summary(company$Adj.Close,na.rm=T)
```
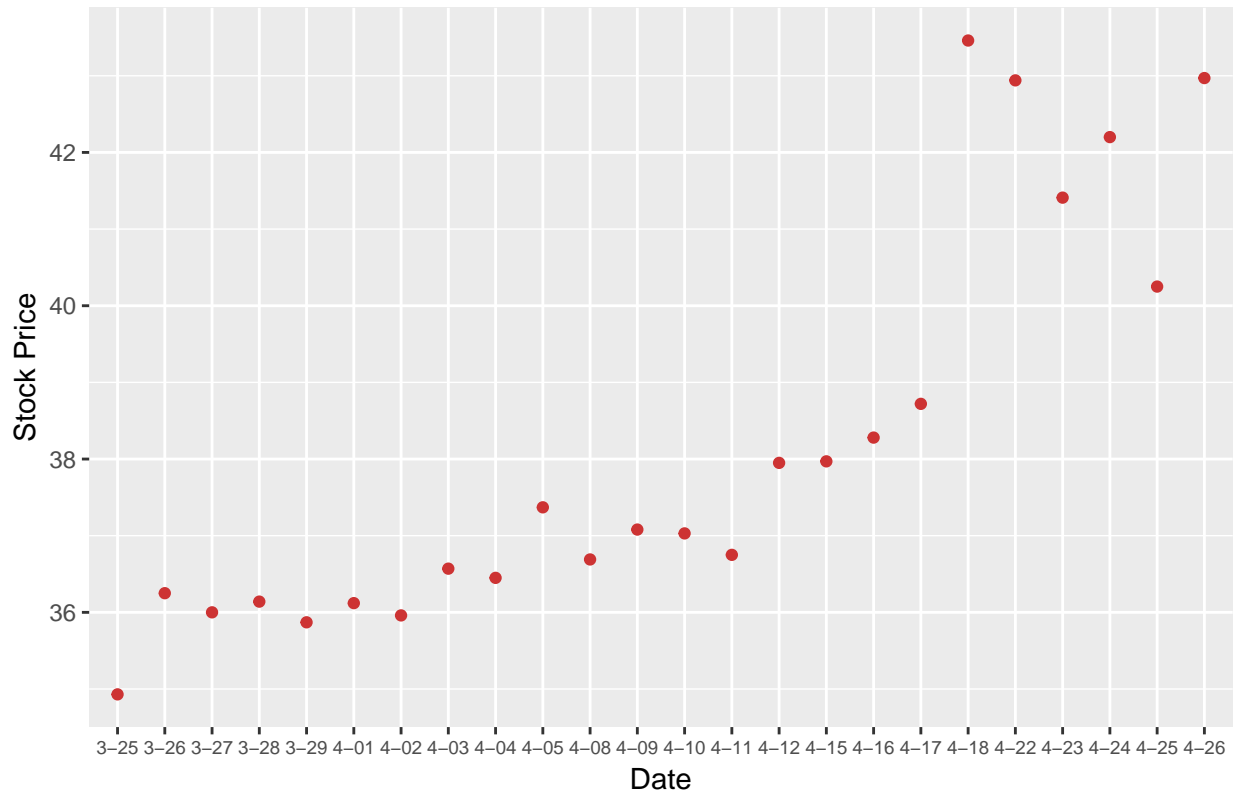
```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   34.93   36.22   37.05   38.14   39.10   43.46
```

```
sd(company$Adj.Close,na.rm=T)
```

```
## [1] 2.599888
```

```
company %>%
  ggplot(aes(x=substring(Date,7,10), y=Adj.Close))+
  geom_point(color="brown3",)+
  labs(x="Date",y="Stock Price",title=paste("Stock Price 2019","of Nintendo",sep=" "))+
  theme(axis.text.x=element_text(size=7))
```

Stock Price 2019 of Nintendo

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