

SP-Curve

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```
library(stringr)
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.0      v purrr  1.0.0
## v tibble  3.1.8      v dplyr  1.0.10
## v tidyr   1.2.1      v forcats 0.5.2
## v readr   2.1.3
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
SP<-read.csv(file = "Spot_data.csv", header = T)
```

```
SP<-SP %>%
  mutate(Date = as.Date(Year))
```

```
plot(SP$Date, SP$Jan_16, type = "l", xaxt = "n", xlab="Year", ylab = "Spot rate", col=1)
axis(1, SP$Date, format(SP$Date, "%Y-%m-%d"))
lines(SP$Date, SP$Jan_17, type = "l", col=2)
lines(SP$Date, SP$Jan_18, type = "l", col=3)
lines(SP$Date, SP$Jan_19, type = "l", col=4)
lines(SP$Date, SP$Jan_20, type = "l", col=5)
lines(SP$Date, SP$Jan_23, type = "l", col=6)
lines(SP$Date, SP$Jan_24, type = "l", col=7)
lines(SP$Date, SP$Jan_25, type = "l", col=8)
lines(SP$Date, SP$Jan_26, type = "l", col=9)
lines(SP$Date, SP$Jan_27, type = "l", col=10)
legend("topright",
```

```
  legend = c("JAN_16", "JAN_17", "JAN_18", "JAN_19", "JAN_20", "JAN_23", "JAN_24", "JAN_25", "JAN_26", "JAN_27")
```

