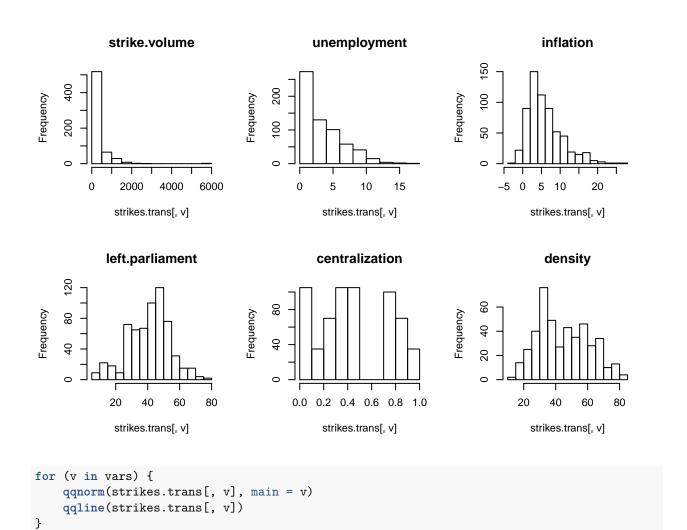
## 36-402 Final Exam

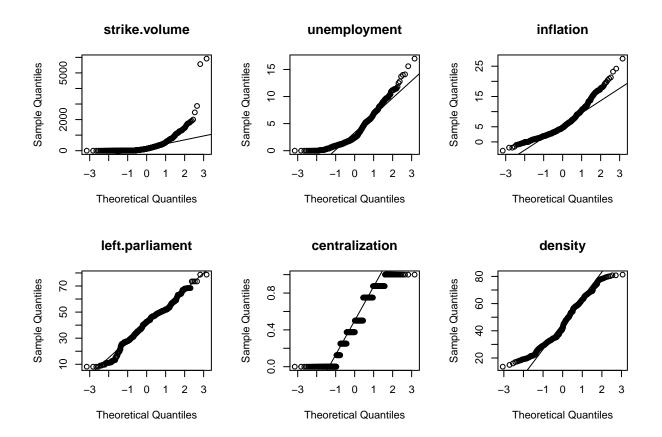
Eu Jing Chua eujingc May 02, 2019

```
library(knitr)
library(pcalg)
library(Rgraphviz)
```

```
strikes <- read.csv("http://www.stat.cmu.edu/~cshalizi/uADA/19/exams/2/strikes.csv")
strikes.missing <- data.frame(strikes)
strikes.missing$density <- NULL
strikes.missing$density.missing <- as.numeric(is.na(strikes$density))</pre>
```

```
strikes.trans <- data.frame(strikes)
# strikes.trans <- subset(strikes, year >= 1960)
# strikes.trans$strike.volume <- log(strikes$strike.volume + 1)
# strikes.trans$inflation <- sqrt(strikes$inflation)
# strikes.trans$unemployment <- sqrt(strikes$unemployment)
par(mfrow=c(2, 3))
vars <- colnames(strikes.trans[3:8])
for (v in vars) {
    hist(strikes.trans[, v], main = v)
}</pre>
```





## **Inferred DAG for strikes**

