

Apply the UVA for the Scienze and technology data in lavaan.

```
data<-read.table("scieR.txt",header=T)
```

Model 1 factor

```
model.f1<- 'f1=~ x1+x3+x4+x7'
```

```
fit<- cfa(model.f1,data= data[,c(1,3,4,7)],  
ordered=c("x1","x3","x4","x7"), std.lv = TRUE)
```

```
summary(fit,fit.measures=TRUE)
```

Model 2 factor

```
model.f2<- 'f1=~ x1+x3+x4+x7  
f2=~ x2+x5+x6'
```

```
fit2<- cfa(model.f2,data= data[,c(1,2,3,4,5,6,7)],  
ordered=c("x1","x2","x3","x4","x5","x6","x7"), std.lv = TRUE)
```

```
summary(fit2,fit.measures=TRUE)
```