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### Model fit after pairwise maximum likelihood

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**DOI**

[10.3389/fpsyg.2016.00528](https://doi.org/10.3389/fpsyg.2016.00528)

**Publication date**

2016

**Document Version**

Other version

**Published in**

Frontiers in Psychology

[Link to publication](#)

**Citation for published version (APA):**

Barendse, M. T., Ligetvoet, R., Timmerman, M. E., & Oort, F. J. (2016). Model fit after pairwise maximum likelihood. *Frontiers in Psychology*, 7, Article 528. <https://doi.org/10.3389/fpsyg.2016.00528>

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## APPENDIX; LAVAAN CODE FOR $C_F$ , $C_M$ , AND $C_P$ FIT STATISTICS

```
library(lavaan)
```

```
# Example of PML with  $C_F$ ,  $C_M$ , and  $C_P$ 
```

```
HS9 <- HolzingerSwineford1939[,c("x1", "x2", "x3", "x4", "x5",  
    "x6", "x7", "x8", "x9")]
```

```
HSbinary <- as.data.frame( lapply(HS9, cut, 2, labels=FALSE) )
```

```
# Single group example with one latent factor
```

```
HS.model <- ' trait = x1 + x2 + x3 + x4 '
```

```
fit <- cfa(HS.model, data=HSbinary[,1:4], ordered=names(HSbinary),  
    estimator="PML")
```

```
# fit statistics
```

```
lavTablesFitCm(fit)
```

```
lavTablesFitCp(fit)
```

```
lavTablesFitCf(fit)
```

```
# see https://github.com/yrosseel/lavaan/blob/master/R/ctr\_pairwise\_fit.R
```