Lavaan syntax cheat sheet:

Basics:

* Spacing does not matter.
* New lines should be included for each new “equation”
* =~ creates latent variables (is measured by)
  + latent =~ variable1 + variable2 …
  + You name it =~ names from the dataset
  + Prediction is that latent variable predicts the manifest variables
* <~ creates latent variables (is predicted by)
  + Latent <~ variable1 + variable2
  + You name it <~ names from the dataset
  + Prediction is that latent variable is predicted by the manifest variables
* ~ indicates regression
  + Y ~ X
  + Y is predicted by X (x predicts y)
  + Names need to be defined in dataset or previously defined latents
* ~~ indicates covariance/correlation
  + Does not matter which order you write it in
  + Names need to be defined in dataset or previously defined latents
  + You can set specific variances by using:
    - variable ~~ NUMBER\*variable
* ~1 indicates intercept
  + Variable ~ 1