

# Dynamic SEM on ESM Data

Structural Equation Modeling Course Project - KU Leuven

*MohammadHossein Manuel Haqiqatkhah - R0607671*

*2019-08-19*

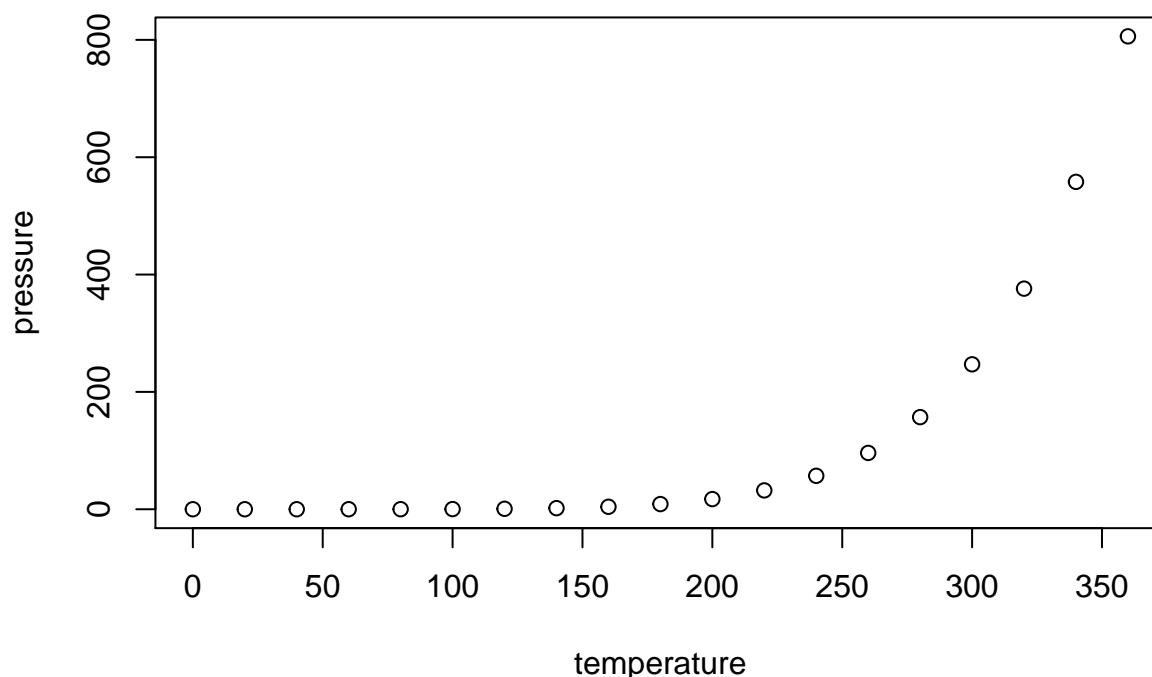
## Introduction

Experience sampling method (ESM)

```
## [1] "Attributes: < Component \"row.names\": Numeric: lengths (16, 7) differ >"
## [2] "Component \"lhs\": Lengths (16, 7) differ (string compare on first 7)"
## [3] "Component \"lhs\": 4 string mismatches"
## [4] "Component \"op\": Lengths (16, 7) differ (string compare on first 7)"
## [5] "Component \"op\": 3 string mismatches"
## [6] "Component \"rhs\": Lengths (16, 7) differ (string compare on first 7)"
## [7] "Component \"rhs\": 4 string mismatches"
## [8] "Component \"est\": Numeric: lengths (16, 7) differ"
## [9] "Component \"se\": Numeric: lengths (16, 7) differ"
## [10] "Component \"z\": Numeric: lengths (16, 7) differ"
## [11] "Component \"pvalue\": Numeric: lengths (16, 7) differ"
## [12] "Component \"ci.lower\": Numeric: lengths (16, 7) differ"
## [13] "Component \"ci.upper\": Numeric: lengths (16, 7) differ"
```

## Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

## Load cache from a latter code chunk

Sometimes we may want to insert an object value early in the document, when the object has not been created. For example, you may want to mention a result in your abstract using an inline R expression, but the result is calculated later in the report.

One solution is to `save()` the workspace in a `.RData` file in the end of the document, and `load()` it in the beginning, e.g.

In the end of the document, you save the workspace:

Then you can use `NOT YET AVAILABLE` after `everything.RData` is loaded. When it is not available, you will see `x` as `NOT YET AVAILABLE`.

The function `load_cache()` is an alternative solution, which allows you to load the value of an object from a specific code chunk, when the chunk has been cached.

For example, there is no object called `y` that has been created in this document yet, but we can still insert it here: `6.2831853`, as long as it will be created in the code chunk with the label `test-a` later.

The first time you compile the document, you will see `y` is `NOT AVAILABLE`, but when you compile it for the second time, you will see its value `6.2831853`.

You do not have to specify the object name in `load_cache()`, in which case the database will just be loaded, and you can use any objects available in the database as if they had been computed by the code chunk later.