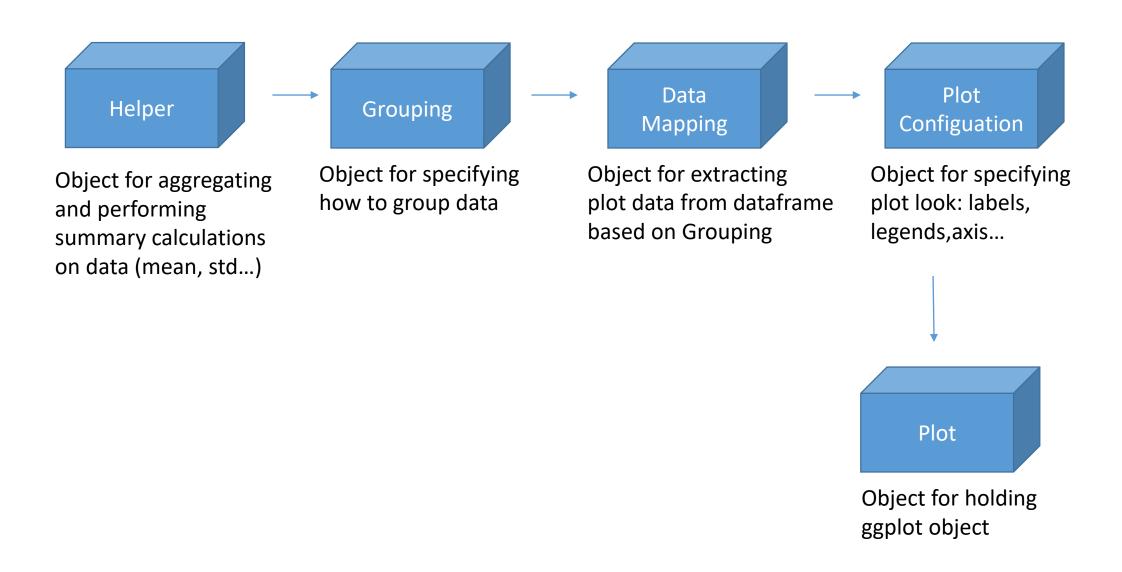
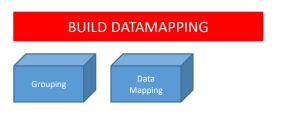
# TLF-format data and metadata for time profile plot. Note "tidy" format of data.

	Time	IndividualID	Population	Gender	Age	Compound	Dose	Organ	Compartment	Simulated
	0	1	European	M	7	Aspirin	6	VenousBlood	Plasma	2.1884257
	0	2	European	F	5	Aspirin	6	VenousBlood	Plasma	5.4690838
	0	3	Asian	M	8	Sugar	6	VenousBlood	Plasma	2.3813543
	0	4	Asian	F	6	Aspirin	3	VenousBlood	Plasma	3.481893
⋖	1	1	European	M	7	Aspirin	6	VenousBlood	Plasma	5.472912
DATA	1	2	European	F	5	Aspirin	6	VenousBlood	Plasma	6.1427427
	1	3	Asian	M	8	Sugar	6	VenousBlood	Plasma	5.8802518
	1	4	Asian	F	6	Aspirin	3	VenousBlood	Plasma	7.5986653
	2	1	European	M	7	Aspirin	6	VenousBlood	Plasma	12.347996
	2	2	European	F	5	Aspirin	6	VenousBlood	Plasma	9.7028844
	2	3	Asian	M	8	Sugar	6	VenousBlood	Plasma	9.1861839
	2	4	Asian	F	6	Aspirin	3	VenousBlood	Plasma	18.658217

4 4	Time	Simulated		
ET.	unit = "min"	unit = "ug/mL"		
∑ □	dimension ="time"	dimension ="concentration"		



Aim: plot time profile for each individual. Identify each individual by color. Identify each individual's population by linetype



```
groups <- list(color = "IndividualID", linetype = "Population")
tpMapping <- TimeProfileDataMapping$new(x="Time", y="Simulated", groupings = groups)</pre>
```

#### BUILD PLOT CONFIGURATION

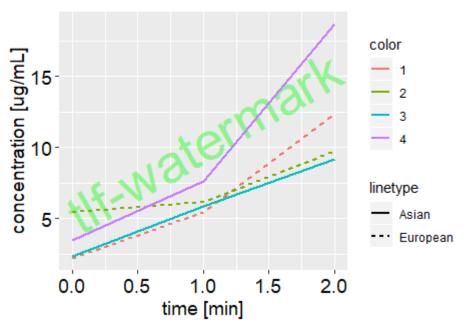


#### **BUILD PLOT**

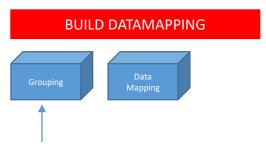


# **Time Profile Plot**

Date: 19-10-10

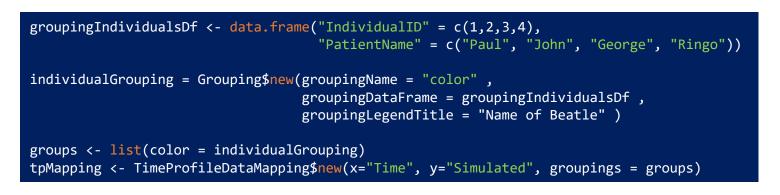


Aim: use a dataframe to build grouping. Plot time profile for each individual. Identify each individual by color. Set legend captions according to grouping dataframe.



### Dataframe for grouping:

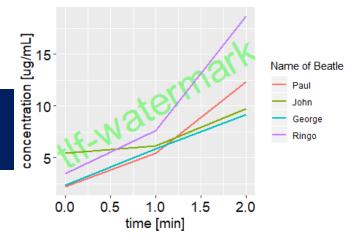
IndividualID	PatientName
1	Paul
2	John
3	George
4	Ringo



### **Time Profile Plot**

Date: 19-10-10





#### **BUILD PLOT**



Aim: build a summary of the data composed of means for each population at each time point. Plot time profile of mean for each population. Identify each population by color

#### **BUILD DATA SUMMARY**



## hlp\$dfHelper

Time	Population	SimulatedMean
0	Asian	2.931624
1	Asian	6.739459
2	Asian	13.9222
0	European	3.828755
1	European	5.807827
2	European	11.02544

#### BUILD DATAMAPPING



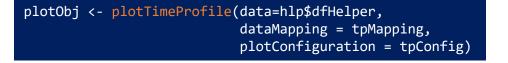
<pre>groups &lt;- list(color = "Population")</pre>
<pre>tpMapping &lt;- TimeProfileDataMapping\$new(x="Time", y=c("SimulatedMean"), groupings = groups)</pre>

#### **BUILD PLOT CONFIGURATION**



#### **BUILD PLOT**





## **Time Profile Plot**

Date: 19-10-10

