

How to make a composite score

- [Composite Score HowTo](#)
- [and another way](#)

In practice

An example with ADNI data

```
library("ADNIMERGE")
dxmci=dxsum[dxsum[, "DXMDUE"] == "MCI due to Alzheimer's Disease" &
!is.na(dxsum$DXMDUE) & dxsum[, "DXMDES"] == "MCI - Memory features
(amnestic)" & !is.na(dxsum$DXMDES),]
mcimerged0 <- merge(dxmci, adnimerge, by=c("RID", "VISCODE"))
neurom <- merge(adas, neurobat, by=c("RID", "VISCODE"))
mcineuro <- merge(mcimerged0, neurom, by=c("RID", "VISCODE"))
mcidata <- data.frame(mcineuro$RID, mcineuro$VISCODE, mcineuro$AGE,
mcineuro$PTGENDER, mcineuro$PTEDUCAT, mcineuro$APOE4, mcineuro$FDG,
mcineuro$AV45, mcineuro$Hippocampus, mcineuro$ICV, mcineuro$Years,
mcineuro$AVDEL30MIN, mcineuro$Q4SCORE, mcineuro$DX.bl, mcineuro$DX,
mcineuro$DXMDUE, mcineuro$DXMDES)
```

for just amyloid burden

```
mciav45 <- data.frame(mcineuro$RID, mcineuro$VISCODE, mcineuro$AGE,
mcineuro$PTGENDER, mcineuro$PTEDUCAT, mcineuro$APOE4, mcineuro$AV45,
mcineuro$Years, mcineuro$AVDEL30MIN, mcineuro$Q4SCORE, mcineuro$DX.bl,
mcineuro$DX, mcineuro$DXMDUE, mcineuro$DXMDES)
datac <- mciav45[complete.cases(mciav45),]
datac$cAGE = datac$mcineuro.AGE + datac$mcineuro.Years
```

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