

# Visualizing the coefficients

- Contextual, compositional and within effects
- New material in Lab 1.R
- Find "Visualizing the fitted model"

```
fit2 <- lme( mathach ~ (ses + cvar(ses,id)) * Sector, dd, random = ~ 1 + ses | id,  
           na.action = na.exclude,  
           control = list(msMaxIter=200, msVerbose=T))
```

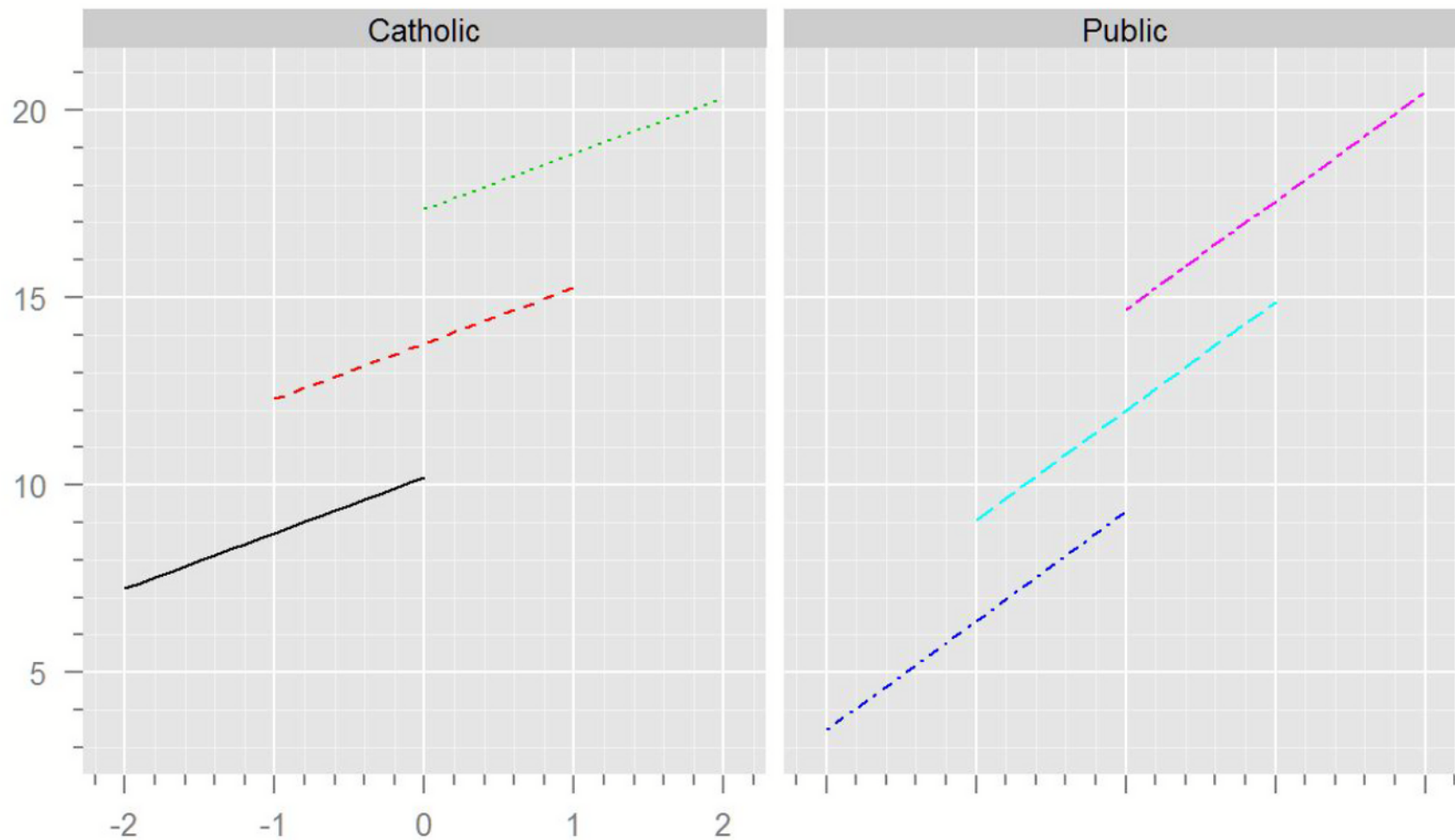
Fixed effects: mathach ~ (ses + cvar(ses, id)) \* Sector

|                            | Value     | Std.Error | DF   | t-value  | p-value |
|----------------------------|-----------|-----------|------|----------|---------|
| (Intercept)                | 13.781114 | 0.3337547 | 3602 | 41.29114 | 0.0000  |
| ses                        | 1.484475  | 0.2353295 | 3602 | 6.30807  | 0.0000  |
| cvar(ses, id)              | 3.576249  | 0.8620263 | 76   | 4.14865  | 0.0001  |
| SectorPublic               | -1.802916 | 0.4645965 | 76   | -3.88061 | 0.0002  |
| ses:SectorPublic           | 1.423739  | 0.3162117 | 3602 | 4.50249  | 0.0000  |
| cvar(ses, id):SectorPublic | -0.884471 | 1.1846992 | 76   | -0.74658 | 0.4576  |

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-2      -1      0      1      2



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