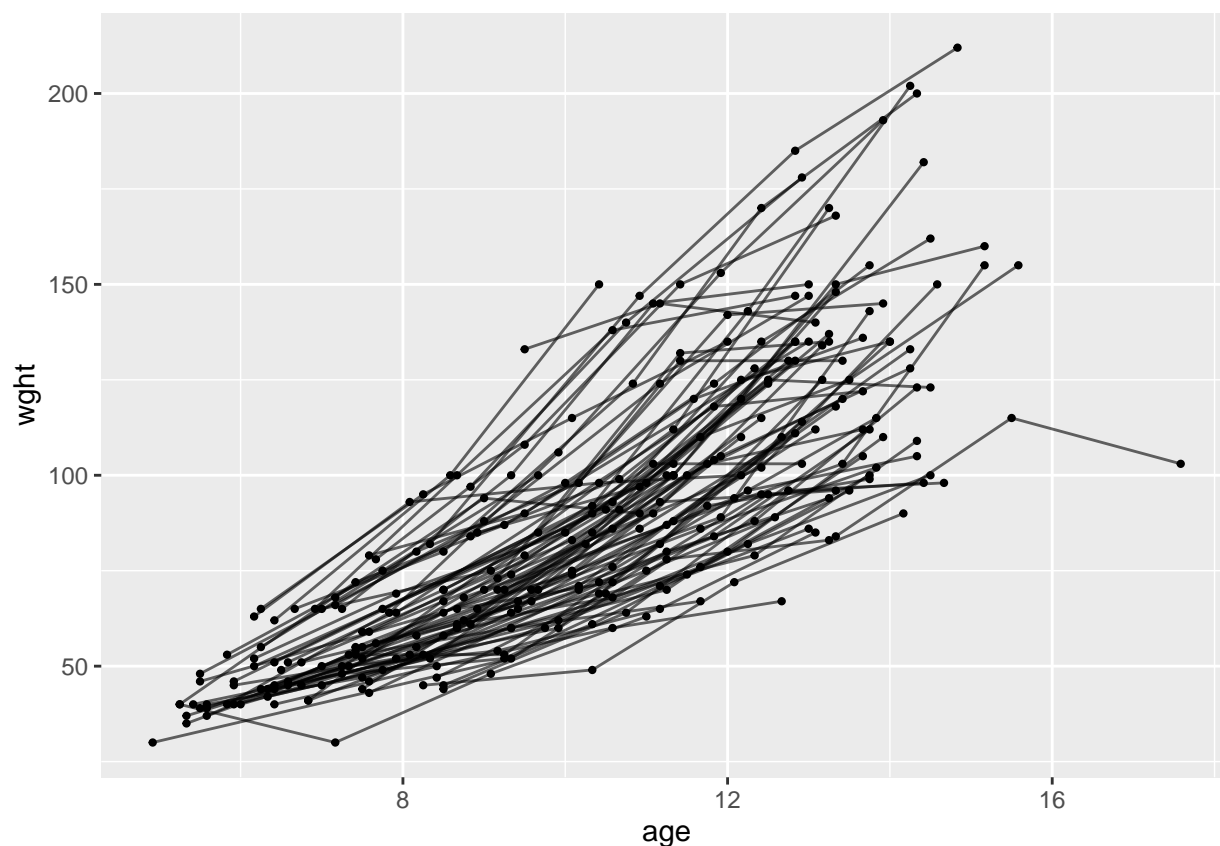# Longitudinal Data Preparation

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```r
wght_long <- read.table("../../Dropbox/Data/Grimm_Data/wght_data.dat",
                        na.strings = ".")
names(wght_long) = c('id','occ','occ_begin','year','time_in_study','grade','age','gyn_age', 'wght')
wght_long$age_r <- round(wght_long$age)
```

```r
ggplot(wght_long[wght_long$id >1300 & wght_long$id < 1600, ], aes(x = age, y = wght, group = id)) + geom
```


Long to Wide

```r
wght_wide <- reshape(wght_long, v.names = "wght", idvar = "id",
                     timevar = "age_r", direction = "wide")
```

```
## Warning in reshapeWide(data, idvar = idvar, timevar =
## timevar, varying = varying, : some constant variables
## (occ,occ_begin,year,time_in_study,grade,age,gyn_age) are really varying
```

```r
names(wght_wide) <- gsub("\\.", "", x = names(wght_wide))
names(wght_wide)
```

```
##  [1] "id"          "occ"          "occ_begin"      "year"
```

```
##  [5] "time_in_study" "grade"         "age"           "gyn_age"
##  [9] "wght9"         "wght11"        "wght13"        "wght6"
## [13] "wght8"         "wght10"        "wght12"        "wght14"
## [17] "wght16"        "wght7"         "wght5"         "wght15"
## [21] "wght17"        "wght19"        "wght18"
```

```r
wght_wide1 <- wght_wide %>%
  select(id, wght5, wght6, wght7, wght8, wght9, wght10, wght11, wght12,
         wght13, wght14, wght15, wght16, wght17, wght18, wght19)
```