





















| Wilkinson's Grammar | Layered Grammar | ggplot2 | ggtime |
|---------------------|-----------------|---|---|
| DATA → | Defaults | | |
| TRANS | Data |  Linear time: POSIXt, Date |  Linear time: POSIXt, Date, mixtime::linear_time |
| | |  Cyclical time: hms::hms |  Cyclical time: mixtime::cyclical_time |
| | Aesthetics | [x/y] ← time, ... | [x/y] ← time, ... [x/y]timeoffset ← offset |
| ELEMENT → | Layer | | |
| | ... | | |
| | Geom | geom_line | geom_time_line |
| | Stat |  |    |
| | Position | f(x) = x position_identity |  position_time_absolute  position_time_civil |
| SCALE → | Scale |  scale_*_date  scale_*_datetime |  scale_*_mixtime |
| GUIDE → | | | |
| COORD → | Coord | coord_cartesian  coord_radial  | coord_loop: cartesian  coord_calendar  |
| | Facet | facet_grid  facet_wrap  | facet_cycle  |