

Explore Fish Length 2017-2018: Figures

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Figure 1 - vs Rainfall: Boxplot

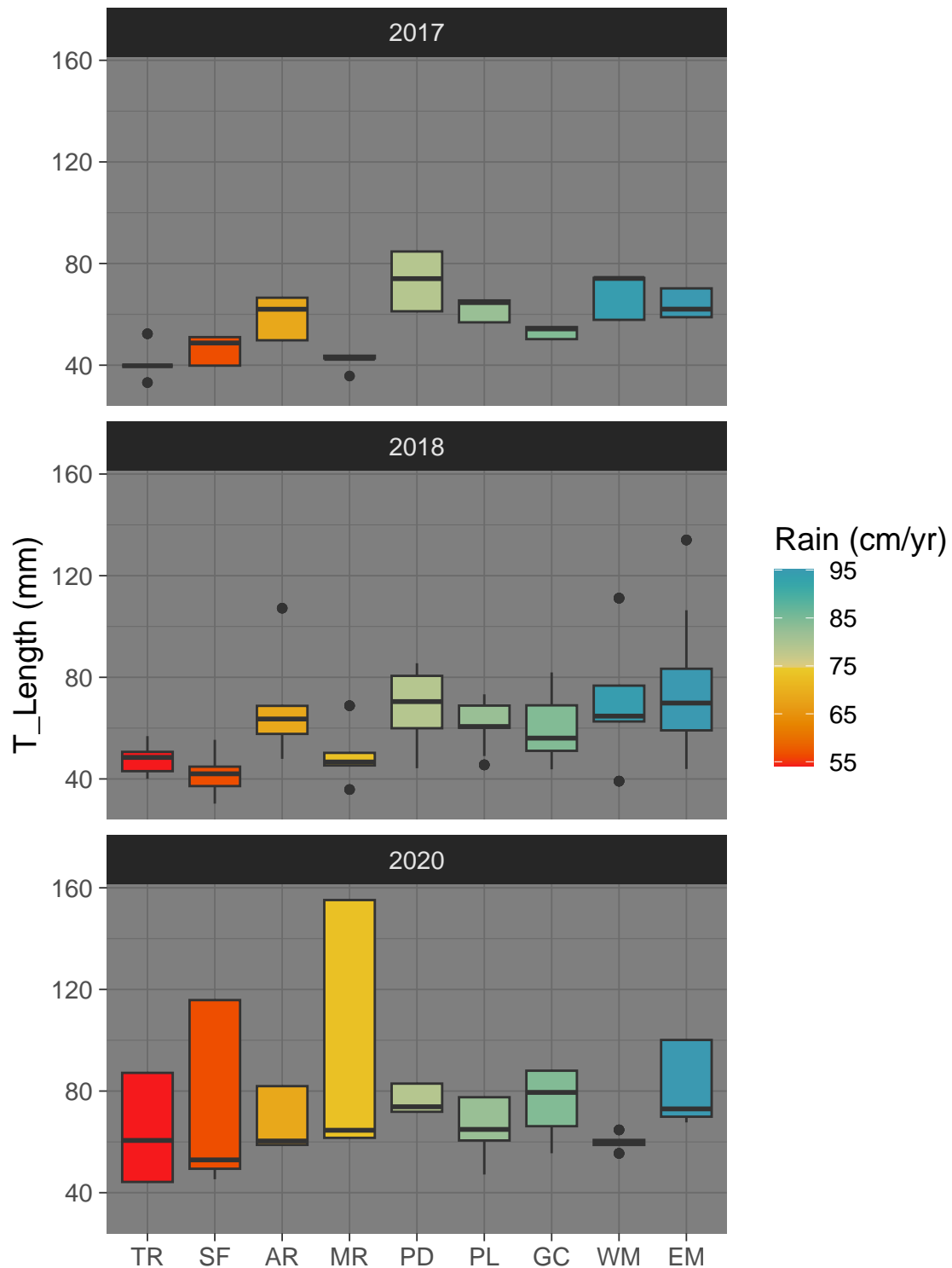


Figure 1. Length of fish (mm) at each sampling location from from 2017, 2018, and 2020. 2017 contains 3 months following hurricane Harvey, 2018 contains monthly samples from January through October, and 2020 contains quarterly sampling.

Figure 2 - Length vs Diatom Concentration

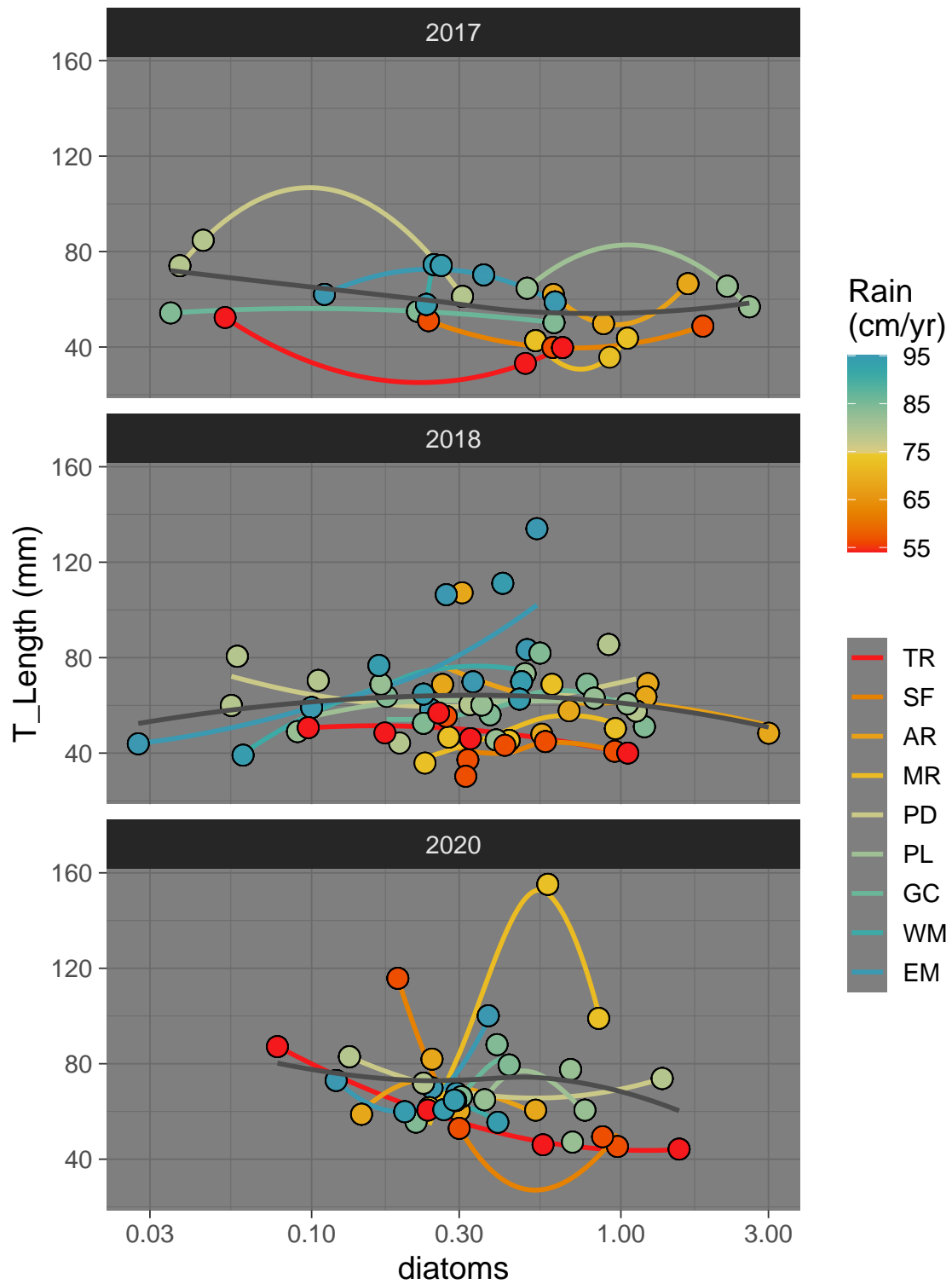


Figure 2. Average fish length (mm) versus diatom chlorophyll concentrations for 2017, 2018, and 2020. Both axes are log transformed.

Figure 3 - Length vs 2-Week Maximum Discharge

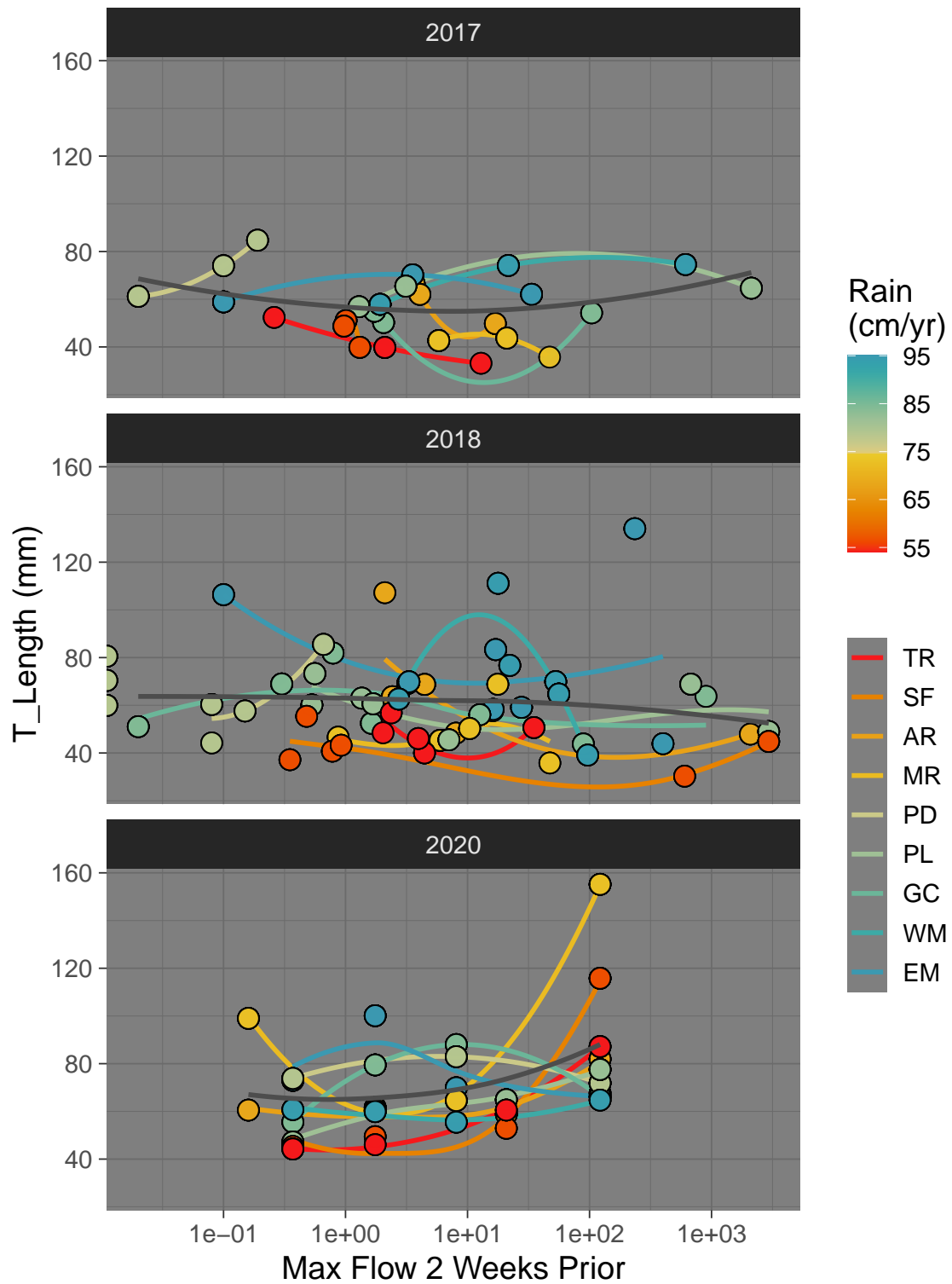


Figure 3. Average fish length (mm) versus maximum discharge in the two weeks prior to sampling for 2017, 2018, and 2020. Both axes are log transformed.

Figure 4 - Length vs Nitrate Concentrations

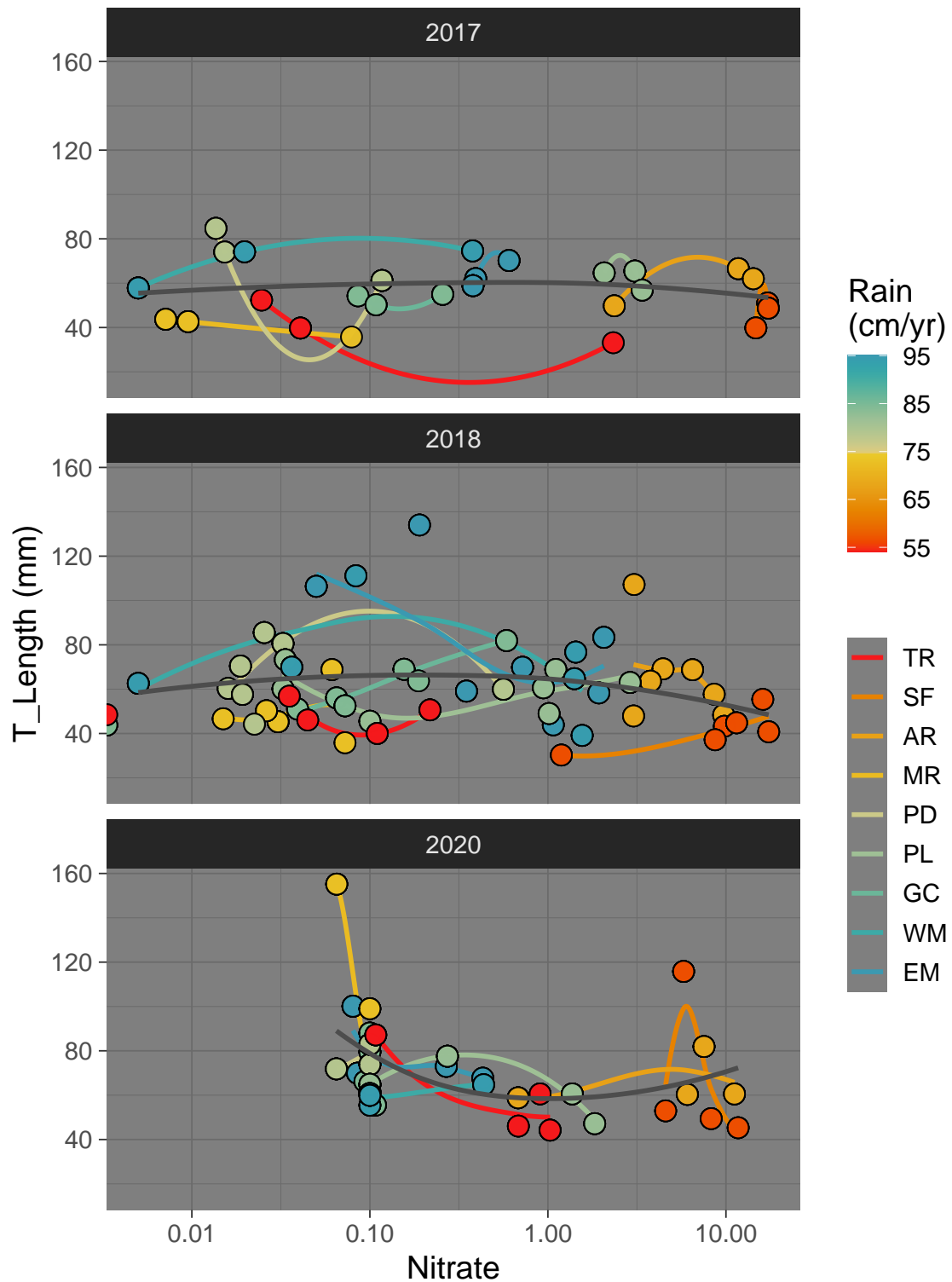


Figure 4. Average fish length (mm) versus nitrate concentrations for 2017, 2018, and 2020. Both axes are log transformed.

Figure 5 - Length vs Time: Community

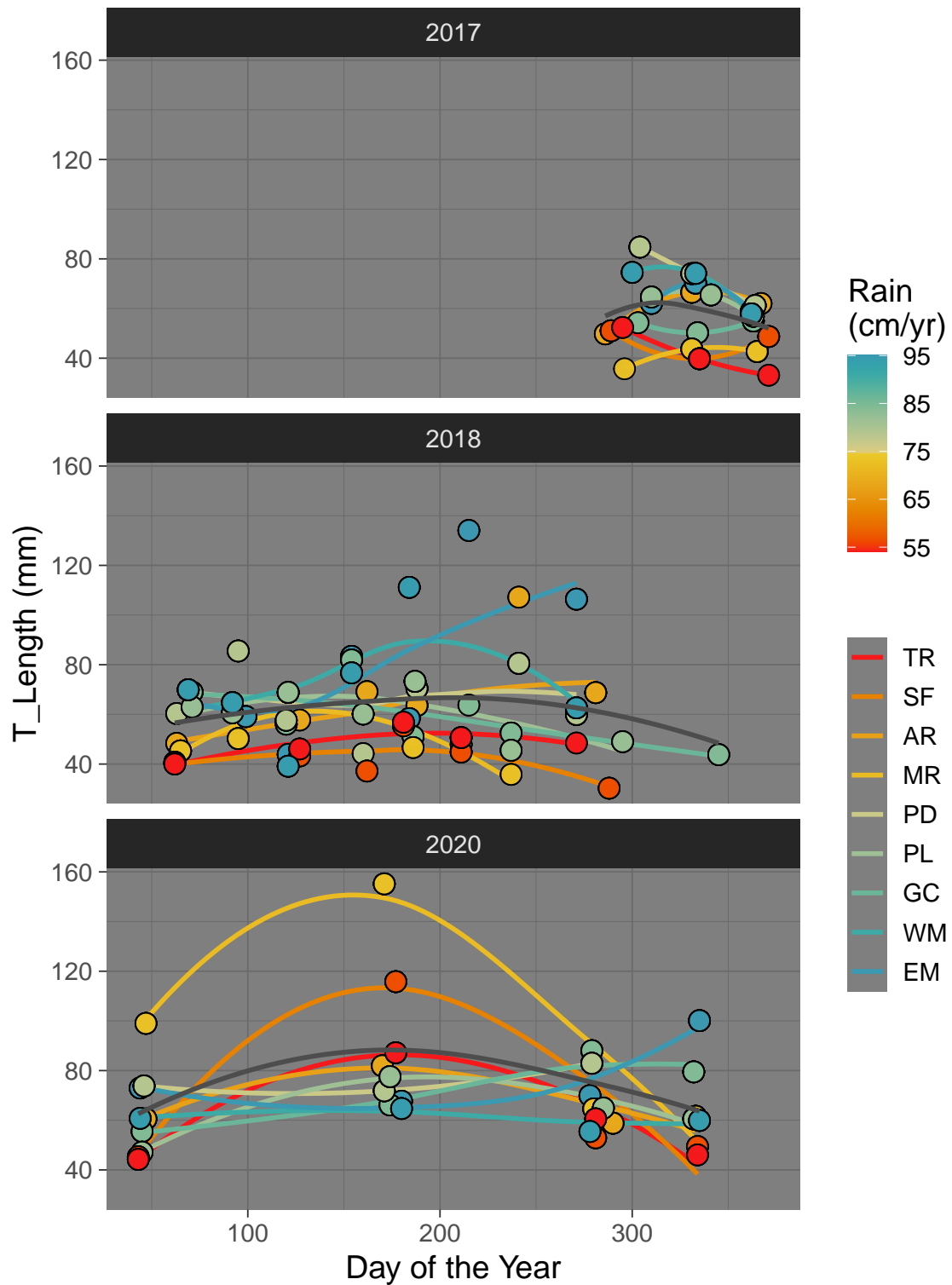


Figure 5. Average fish length (mm) versus day of the year for 2017, 2018, and 2020. Densities and smoothed regression curves are colored by annual rainfall and a region-wide (all sites) smoothed regression is in dark grey.

Figure 6 - Length vs Time: Families

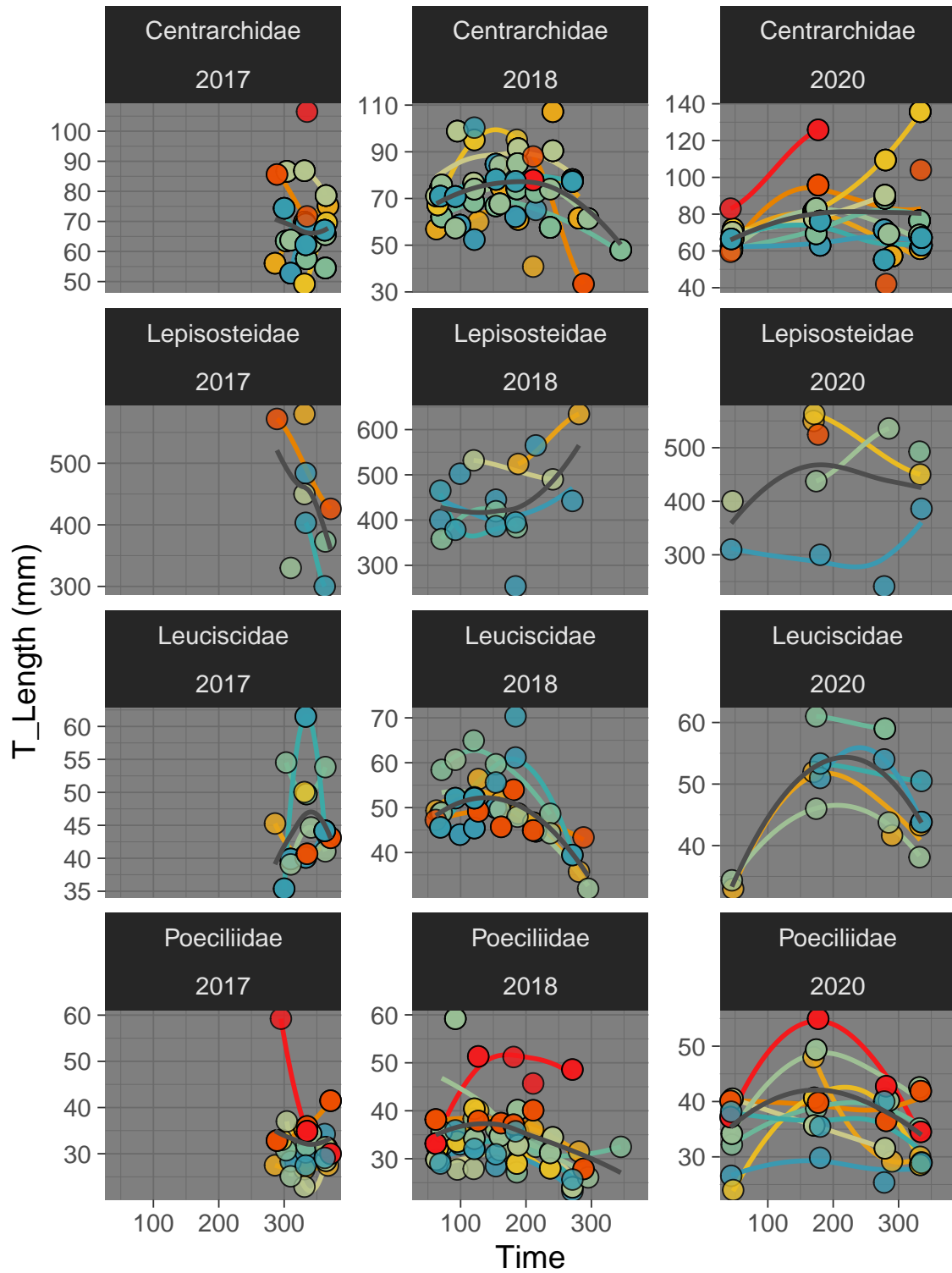


Figure 6. Average length of fish (mm) in prominent taxonomic families plotted against the day of the year in 2017, 2018, and 2020. Vertical axes vary in scale to aid visualization of trends within taxonomic families.

Figure 7 - Length vs Time: Small-Gape, Deep-Bodied Taxa

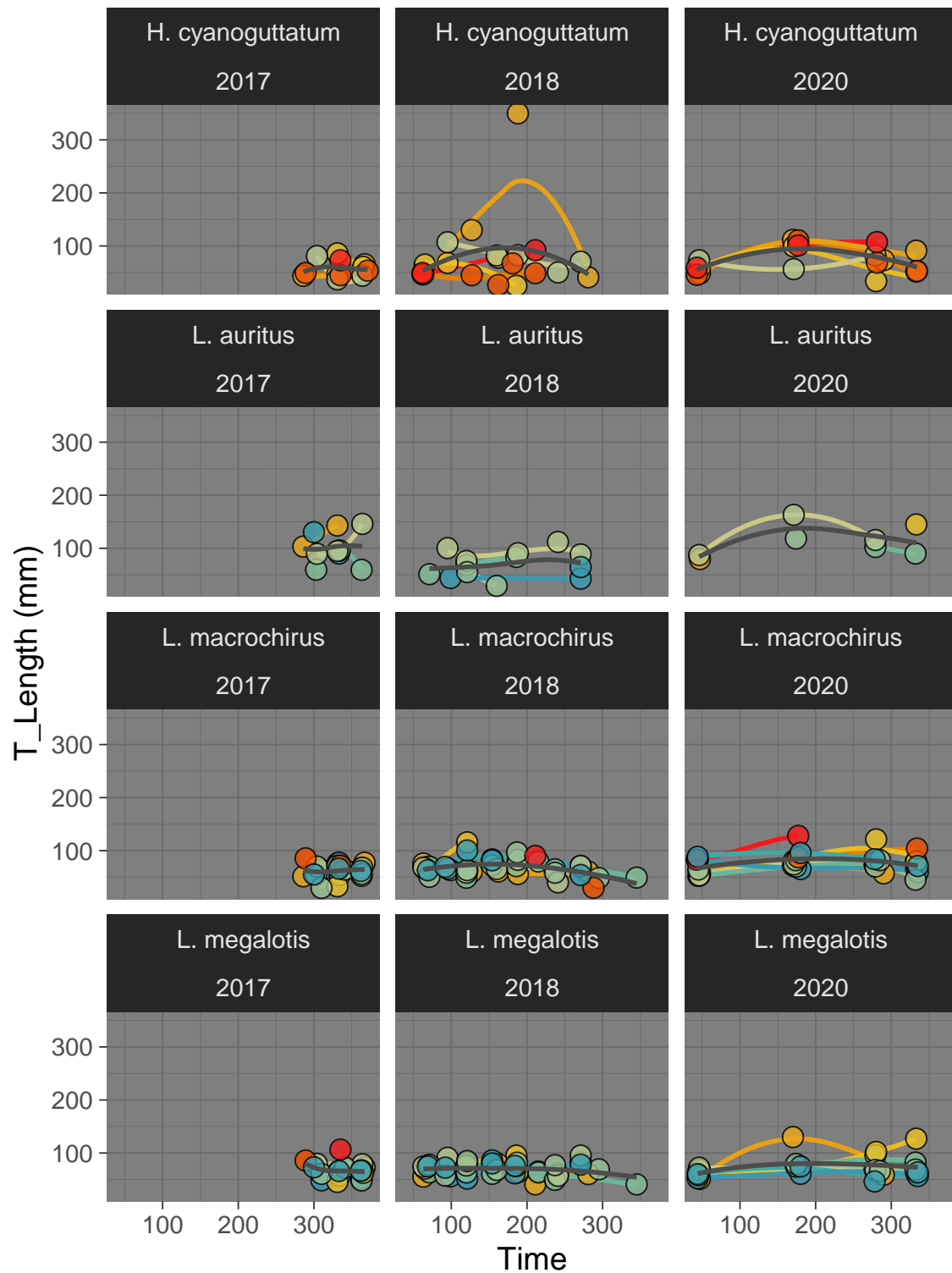


Figure 7. Species-specific average length (mm) of small-gape, deep-bodied fish plotted against the day of the year in 2017, 2018, and 2020.

Figure 8 - Length vs Time: Large-Gape, Deep-Bodied Pan Fish

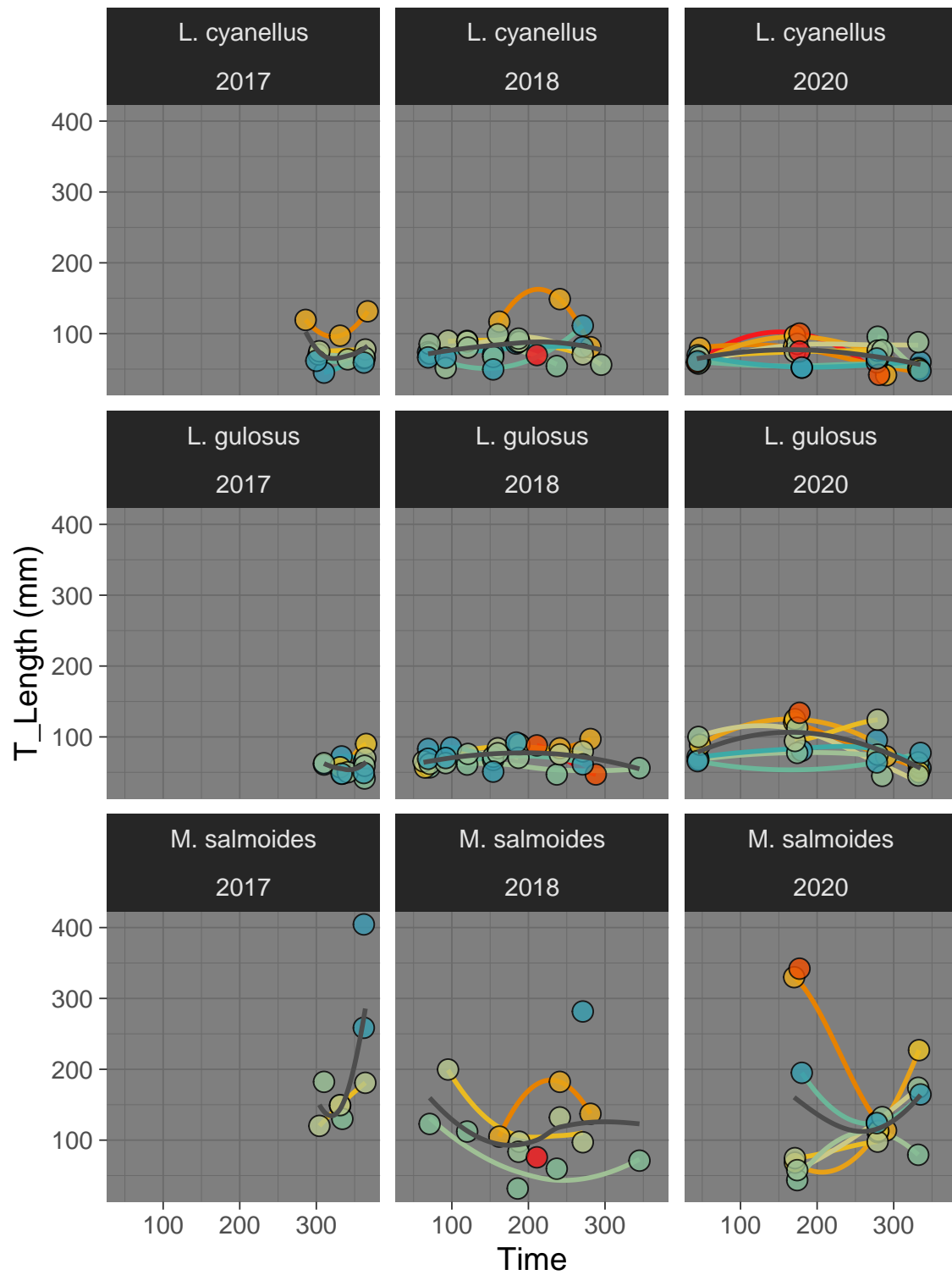


Figure 8. Species-specific average length (mm) of large-gape, deep-bodied fish plotted against the day of the year in 2017, 2018, and 2020.

Figure 9 - Length vs Time: Poeciliidae

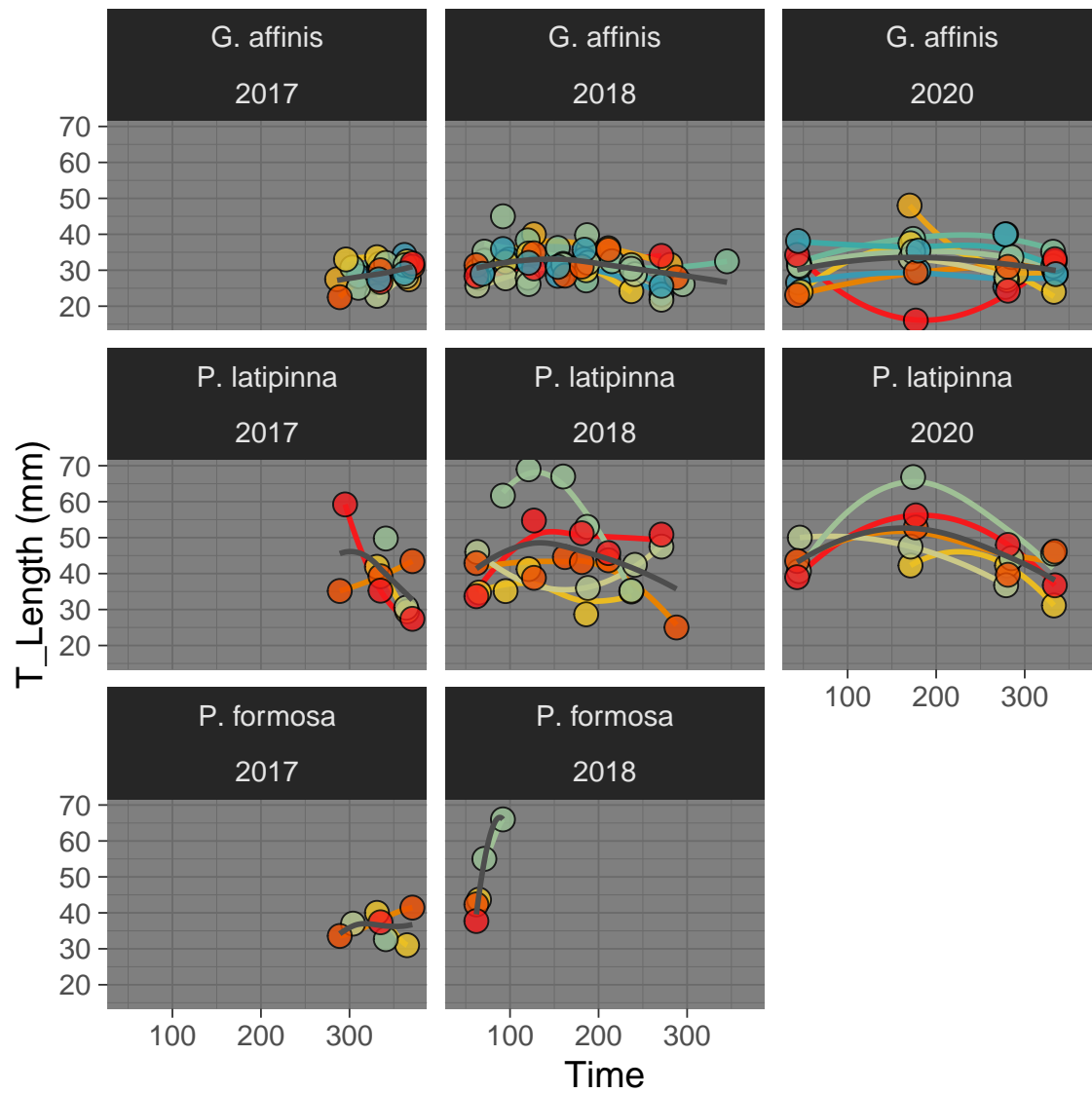


Figure 9. Species-specific average length (mm) of Poeciliidae plotted against the day of the year in 2017, 2018, and 2020.

Figure 10 - Length vs Rainfall: Regression Community

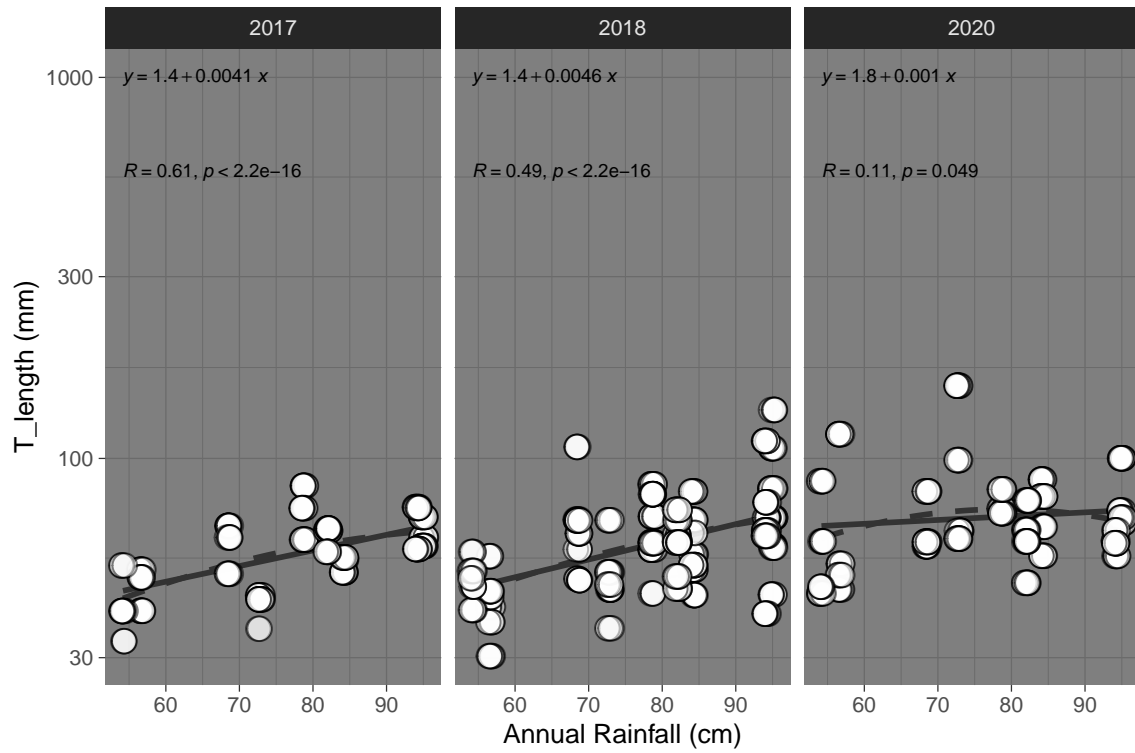


Figure 10. Average fish average length (mm) versus annual rainfall for 2017, 2018, and 2020.

Figure 11 - Length vs Rainfall: Regression Centrarchid

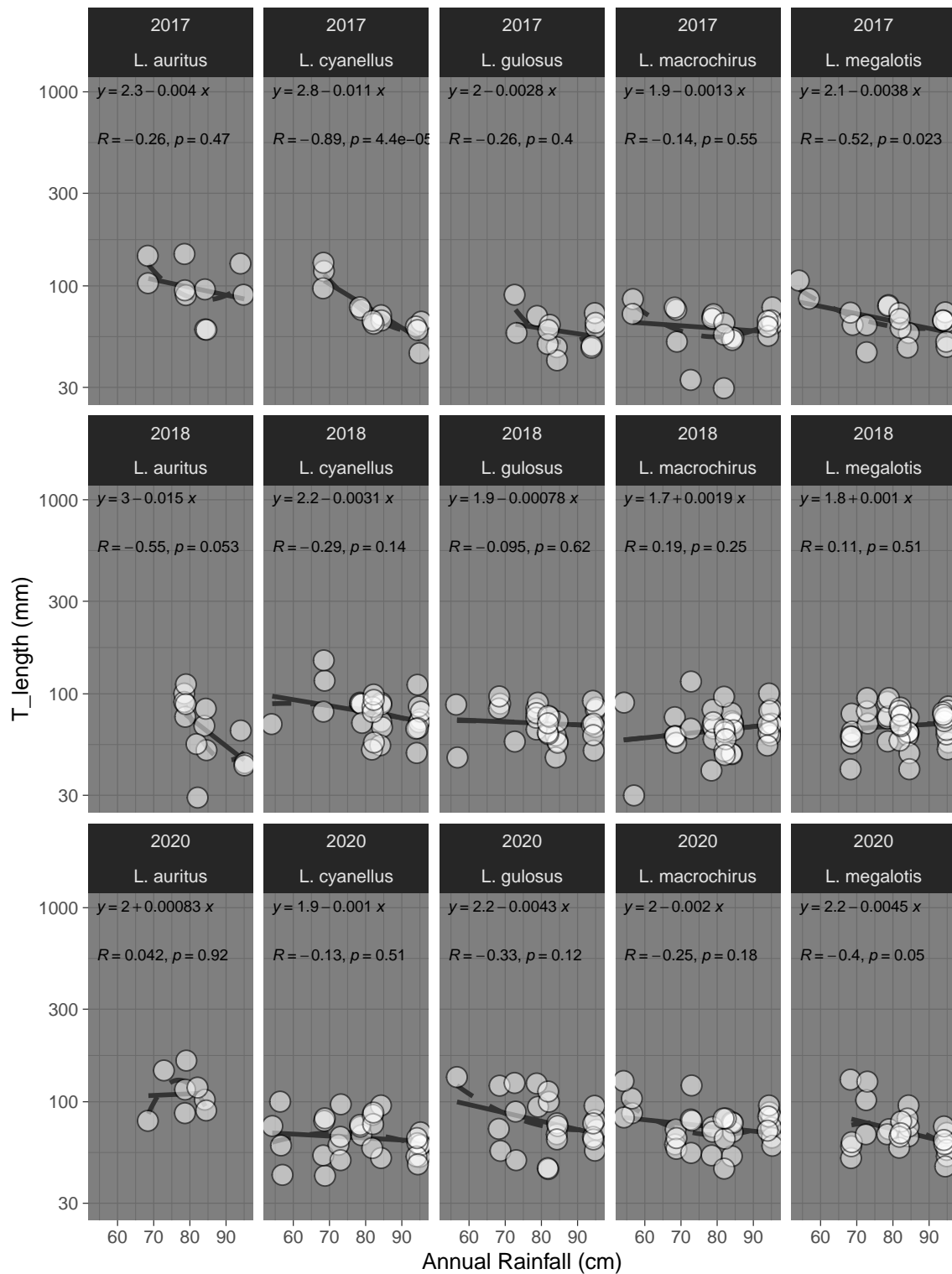


Figure 11. Species-specific average length of Centrarchidae (mm) versus annual rainfall for 2017, 2018, and 2020.

Figure 12 - Length vs Rainfall: Regression Poeciliid

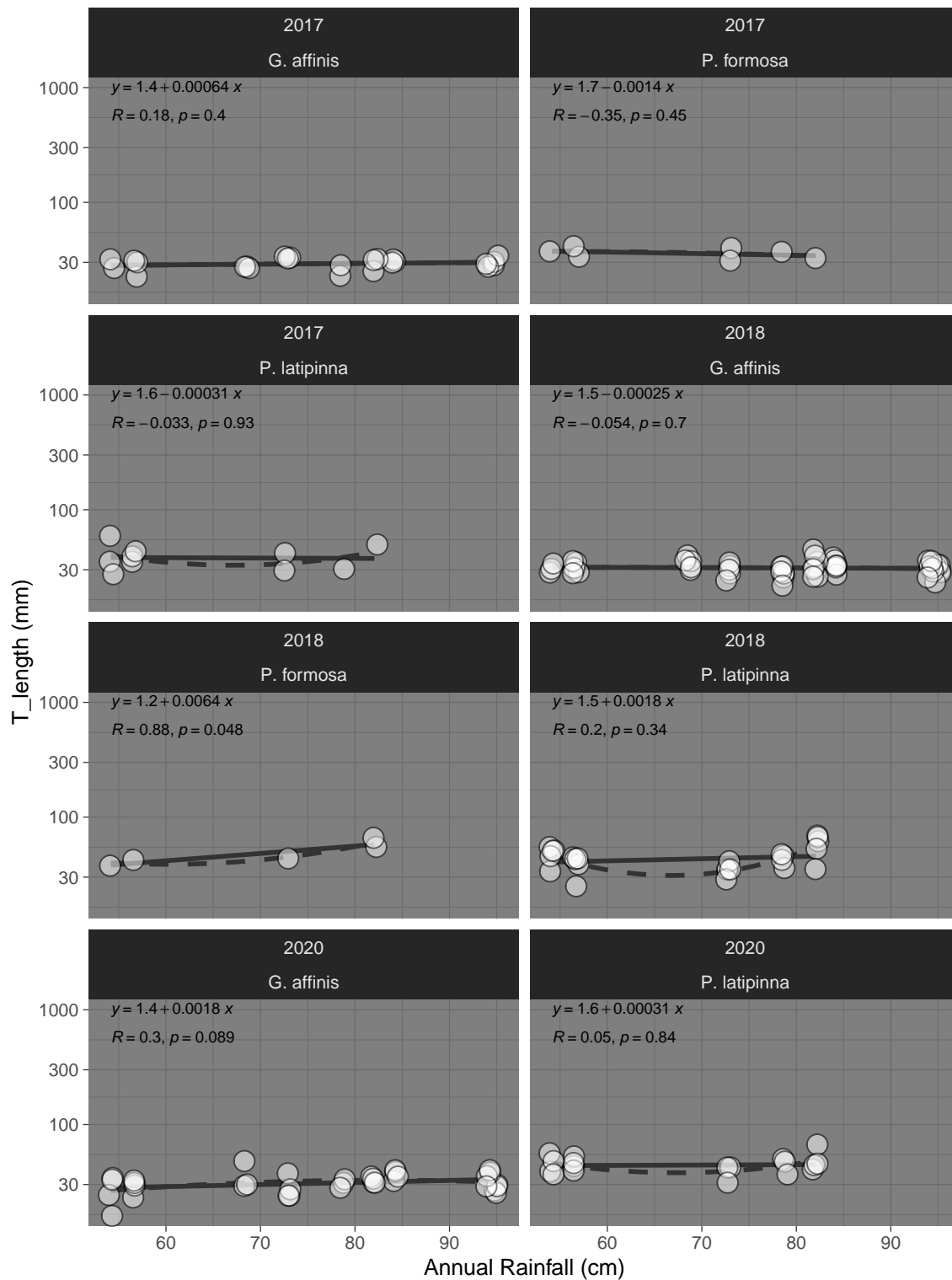


Figure 12. Species-specific average length of Poeciliid (mm) versus annual rainfall for 2017, 2018, and 2020.