

## Exercise precipitation

1. Visualise the annual sums of evapotranspiration and precipitation according to its geographic latitude (boxplot?). How and why does precipitation and evapotranspiration varies? Which impact has the underlying ecosystem?
2. Precipitation is used as a driver/source for evapotranspiration. The ratio between evapotranspiration and precipitation (evapotranspiration index =  $ET_{idx}$ ) is a very useful indicator how precipitation is used by plants during photosynthesis. Calculate the  $ET_{idx}$  for all sites and visualise it. What surprised you and how do the  $ET_{idx}$  differs across ecosystems? Discuss.