**Fireflies**

Firefly abundance (*Photinus* spp., predominantly *P. pyralis*) was quantified using yellow sticky traps over time across various habitat treatments that have been established in Hickory Corners, MI at Kellogg Biological Station's Long Term Ecological Research Station since the late 1980's. Data are from a 12-year period (2004–2015) across 10 plant communities. You can find more info about where these data are from here and what sticky traps are here: <https://datanuggets.org/2021/06/blinking-out/>

**Variables in Dataset**

**Year:** Year that traps were collected and firefly abundance counted. From 2004 - 2015

**Management.habitat:** Type of land management in the plot. You can find info on the layout of plots for agricultural systems here: <https://lter.kbs.msu.edu/maps/images/current-kbs-lter-msce-plot-map.pdf> and forests here: <https://lter.kbs.msu.edu/maps/images/current-lter-forest-successional-sites.pdf>

Includes:

Alfalfa (managed for alfalfa)

Conventional (farmed using pesticides, synthetic fertilizers)

No till (farmed without tillage)

Organic (farmed without pesticides, synthetic fertilizers but with tillage)

Reduced input (farmed with minimal pesticides/synthetic fertilizers),

Early successional (plants that would be found soon after disturbance)

Successional (mid-successional plant community/young forest)

Coniferous (forest of conifers - pines, etc.)

Deciduous (forest of deciduous trees - oak, maple, etc.)

Poplar trees (forest of poplar trees)

**plant.habitat**: what plants/crops are in each management type

Includes: Alfalfa, CF (conifers), DF (deciduous trees), ES (early succesional plants), maize, poplar, SF mid-successional plant community/young forest), soybeans, wheat

**replicate.plot:** ID of the specific plot sampling was done at. Here, replicates are at the level of plot and we’re looking at all fireflies trapped on sticky cards within that plot as a single biological replicate.

**adults.per.trap**: number of adult fireflies collected per trap in the specific plot replicate.

**avg.wkly.Tmax**: average maximum temperature per week over the growing season in the specific replicate plot in degrees Celsius. Data are from the KBS weather station.

**avg.wkly.Tmin**: average minimum temperature per week over the growing season in the specific replicate plot in degrees Celsius. Data are from the KBS weather station.

**avg.wkly.prec.accum**: average accumulation of rain (mm) per week over growing season

**avg.wkly.rain.days**: average number of rainy days per week over growing season