README:

**Visual complexity of egg patterns predicts egg rejection according to Weber’s Law**

**Citation:**

**Dixit et al. (2022), Data from: Visual complexity of egg patterns predicts egg rejection according to Weber’s Law**

**Includes 3 csv spreadsheets:**

1. **Experiments\_complexity.csv : Experimental data from 2018-2020**

Columns:

Experiment: numerical code for type of experiment (always ‘3’)

FemaleID: Identity of each host female

Year: Year of experiment

HostNest: Code for host nest in which egg was placed

EggColour: Colour of host clutch and experimental egg

ExpNest: Code for nest from which experimental egg was taken

Egg\_rejected: Whether experimental egg was rejected (1=rejected, 0=accepted)

Rejection\_error: Whether the host rejected one of its own eggs

ExpEggReceived: The identity of the experimental egg received

HostEggReplaced: The identity of the host egg replaced

EggStage: Incubation stage of host clutch

DateManipulation: Date of experiment

TimeManipulation: Time of day at which experiment was conducted

Day of removal: If egg rejected, day of rejection.

ClutchSize: Clutch size

Host\_Year\_Nest\_NestIn: Year\_HostNest\_HostNest

Host\_Year\_Nest\_NestIn\_Remain: Same as above, but with ‘\_TRUE’ added

Exp\_COMPLEXITY\_a: complexity of side a of experimental egg (similar for b,c,d)

Exp\_COMPLEXITY\_ac: average complexity of side a and c of experimental egg (similar for bd)

HostAv\_COMPLEXITY\_all\_a: average complexity of side a of host clutch (similar for b,c,d,ac,bd)

HostAv\_COMPLEXITY\_reduced\_a: average complexity of side a of host clutch, but excluding the replaced egg (similar for b,c,d,ac,bd)

1. **StoddardExperiments.csv : Experimental data from 2007-2009 (details of data sheet all provided in Stoddard et al., 2019, Phil Trans R Soc B, ESM).**
2. **PandCF181920\_complexity.csv : Complexity scores for hosts and parasites from 2018-2020**

Columns:

Year\_Nest\_Egg\_NestIn: Combination of following 4

Year: Year when egg was laid

Nest: Code of nest in which egg was laid

Egg: Code for egg

NestIn: Code for nest in which egg placed (if not placed in another nest, NestIn = Nest)

COMPLEXITY\_a: Complexity of side a (similar for b,c,d,ac,bd)

Species: Species (P=prinia, A=cuckoo finch)

**Also includes annotated R code for all analyses.**