Metadata for Hatchability Analysis – Reina M. Tyl

Files included in “Hatchability” folder:

* hatchability.txt – JAGS model code for hatchability analysis
* Hatchability\_InputData.RData – R object containing all hatchability model input data
* HatchabilityData.csv – raw hatchability data from which model input data was created
* HatchabilityModel.R – R code used to run hatchability analysis

To run the hatchability analysis, start by opening the “HatchabilityModel.R” file. Ensure the “Hatchability” folder is set as the working directory. Ensure all required packages (i.e., jagsUI) are installed and loaded. Execute code.

Description of variables within “HatchabilityData.csv”

* Band\_ID – the identification number on leg bands of individually marked eastern wild turkey hens. A factor with 47 levels where each level is a unique identification number (and unique individual hen). The Band\_ID indicates the identity of the hen who laid the clutch.
* Age – the age of the hen who laid each clutch. A factor with 2 levels: adult or juvenile (i.e., yearling).
* Year – the year each clutch was laid & hatched. A factor with 2 levels: 2017 or 2018.
* Weight – the weight of each individual hen at the time of capture in kilograms (kg). A numeric variable.
* Clutch Size – an integer indicating the total number of eggs in each clutch.
* Hatch\_Num – an integer indicating the number of eggs that successfully hatched from each clutch.