General Information:

1. Title of Dataset: Insight into the evolution of anuran foot flag displays: a comparative study of color and kinematics
2. Author Information:
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Data and File Overview:

1. File List:
   1. ‘Coloration and duration data\_Copeia.xlsx’: contains all the androgen receptor transcription **raw** data for each tissue and species in the study
   2. ‘Foot-flag coordinates\_Copeia.xlsx’: contains the coordinates of the foot flag trajectories.

Data-Specific Information For: [Coloration and duration data\_Copeia.xlsx]:

1. Number of Variables: 15
2. Number of Rows: 205
3. Variable List:
   1. ‘species’ – The identification number for each species with 1 = *Staurois parvus* and 2 = *Micrixalus kottigeharensis*.
   2. ‘individual’ – The individual number for each species.
   3. ‘ff’ – The number of foot flags observed per individual.
   4. ‘legside’ – The side of the leg that was used to foot flag. 1 = right leg and 0 = left leg.
   5. ‘lift’ – Amount of time (ms) the frog was in the lift component of the foot flag.
   6. ‘ek’ – Amount of time (ms) the frog was in the extended knee component of the foot flag.
   7. ‘arch’ – Amount of time (ms) the frog was in the arch component of the foot flag.
   8. ‘pullin’ – Amount of time (ms) the frog was in the pullin component of the foot flag.
   9. ‘lower’ – Amount of time (ms) the frog was in the lower component of the foot flag.
   10. ‘total’ – Total amount of time (ms) of the foot flag display.
   11. ‘brightness’ – Measured brightness of the foot webbing.
   12. ‘huemax’ – Maximum hue of the foot webbing.
   13. ‘hueslope’ – Slope of the hue of the foot webbing.
   14. ‘UVChroma’ – The ultraviolet chroma measurement of the foot webbing.
   15. ‘UVBlueChroma’ – The ultraviolet blue chroma measurement of the foot webbing.

Data-Specific Information For: [Foot-flag coordinates\_Copeia.xlsx]:

1. Number of Variables: 2
2. Number of Rows: variable
3. Number of Tabs: 12 (One for each individual)
4. Variable List:
   1. ‘x’ – The x-coordinate of the foot flag.
   2. ‘y’ – The y-coordinate of the foot flag.