**Title:** TXeco: leaf functional trait dataset for herbaceous forb and graminoid species of Texan grasslands

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**Open Research statement:**

**Metadata**

**Class I. Dataset descriptors**

1. **Dataset identity**

TXeco: leaf functional trait dataset for herbaceous forb and graminoid species of Texan grasslands

1. **Dataset identification code**
2. **Dataset Description**
3. **Originators:** This study was initiated by Evan A. Perkowski and Nicholas G. Smith. Department of Biological Sciences, Texas Tech University, 2901 Main St., Lubbock, TX, USA.
4. **Abstract:** Variance in leaf nitrogen content across environmental gradients has been shown to be the integrated product of edaphic and climatic factors. … Here, we measured isotope-derived estimates of