

## Histogram and EPD class outline

- Introduction to EPDs Expected Progeny Differences
  - History of Selective breeding
  - What is an EPD or BV
  - EPD's use in other livestock
  - Why use EPDs
- Introduction to Histograms
  - Overview of histogram
  - Histogram testing methods
  - Using histograms as a selective breeding tool
- Road to Alpaca EPDs
  - Reference book – Understanding Animal Breeding by Richard Bourdon
  - BV vs. EPD
  - Developing the first alpaca EPDs
- Trait Values – what are they
  - Explanation of the alpaca traits
- Why and how to use EPDs
  - Benefits to small farms
  - Promoting your alpaca with scientific data
  - Using EPD's for alpaca selection
  - Process for submitting samples to YM for inclusion in AOA EPD program
  - What information is included for EPDs

**Understanding Animal Breeding** by [Richard M. Bourdon](#)

<https://pubs.ext.vt.edu/400/400-804/400-804.html>