

Welcome to the Kappa Zoo

David Eubanks

Table of contents

1	Welcome	1
1.1	Table of Contents	1

1 Welcome

This site explains rater agreement and associated reliability statistics. Much of the content is new, using a general model to explain the features of existing methods from the measurement literature, in the context of more modern approaches from the machine learning (ML) literature. The synthesis of these two fields is the t-a-p model, which combines the intuitiveness of the measurement ideas with the statistical power of the ML algorithms.

Use the navigation bar at the top of the page to explore the chapters, or jump directly to specific sections using the links below. If you are new to t-a-p models, I recommend starting with the [Chapter 1](#). Then if you want to dive into theory, the subsequent two chapters lay out the statistical derivations and relationship to older methods, for example showing how the Fleiss kappa is a special case of a t-a-p model.

The Kappa Zoo will eventually include a collection of real-world data sets and the model parameters estimated from them.

This is a work in progress. The unlinked chapters aren't finished yet.

1.1 Table of Contents

- [Chapter 1: Quantifying Agreement](#)
- [Chapter 2: The t-a-p Model](#)
- [Chapter 3: Kappa Statistics](#)
- [Chapter 4: Hierarchical Models](#)
- Chapter 5: Machine Learning Methods

- [Chapter 6: The tapModel R Package](#)
- [Chapter 7: The t-a-p App](#)
- [References](#)
- [Examples](#)
- [Appendix A: Statistical Details](#)