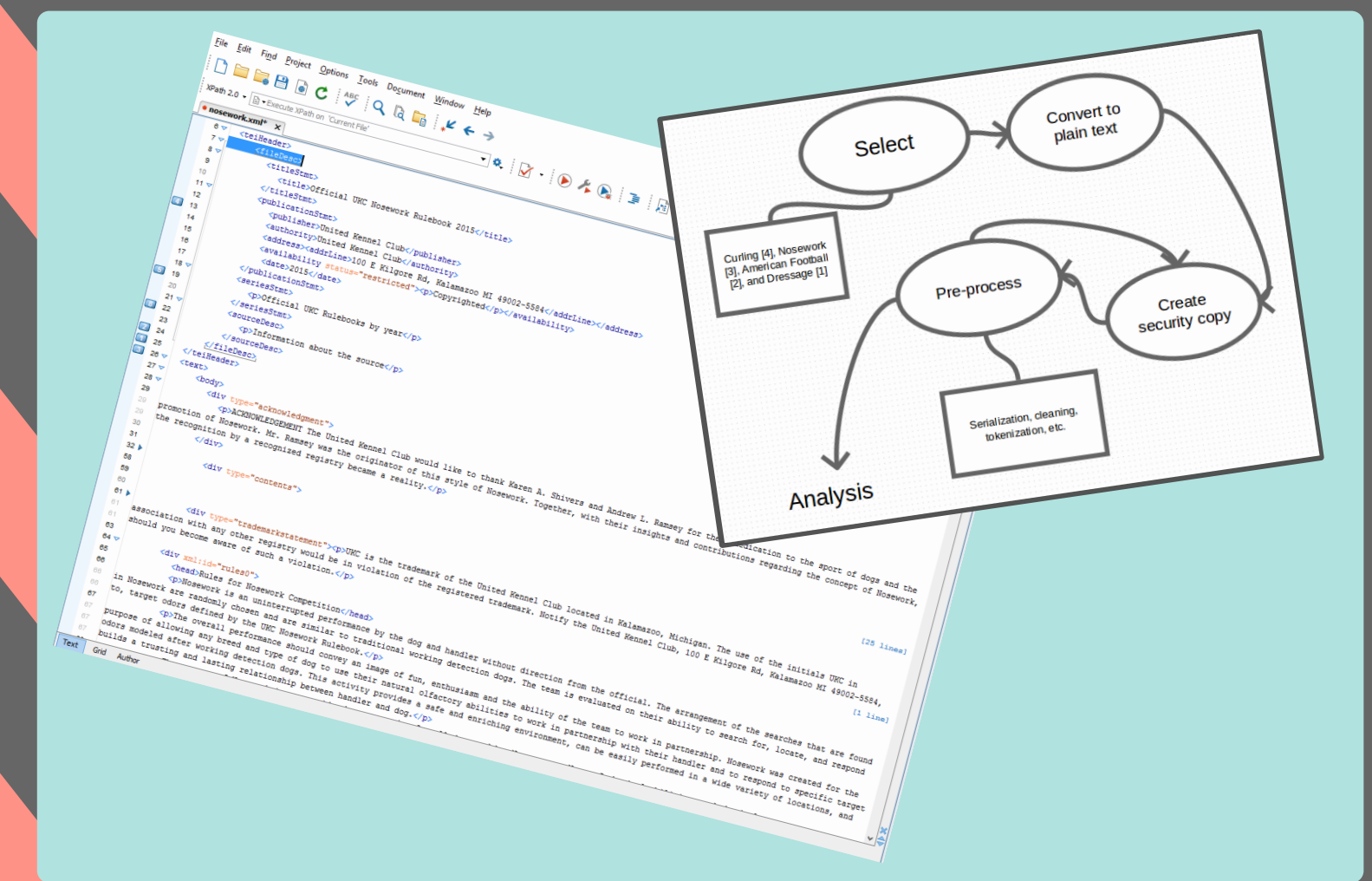


It's Official: Locating the Generic in Sports

Kelly Colht | MLIS, 2016

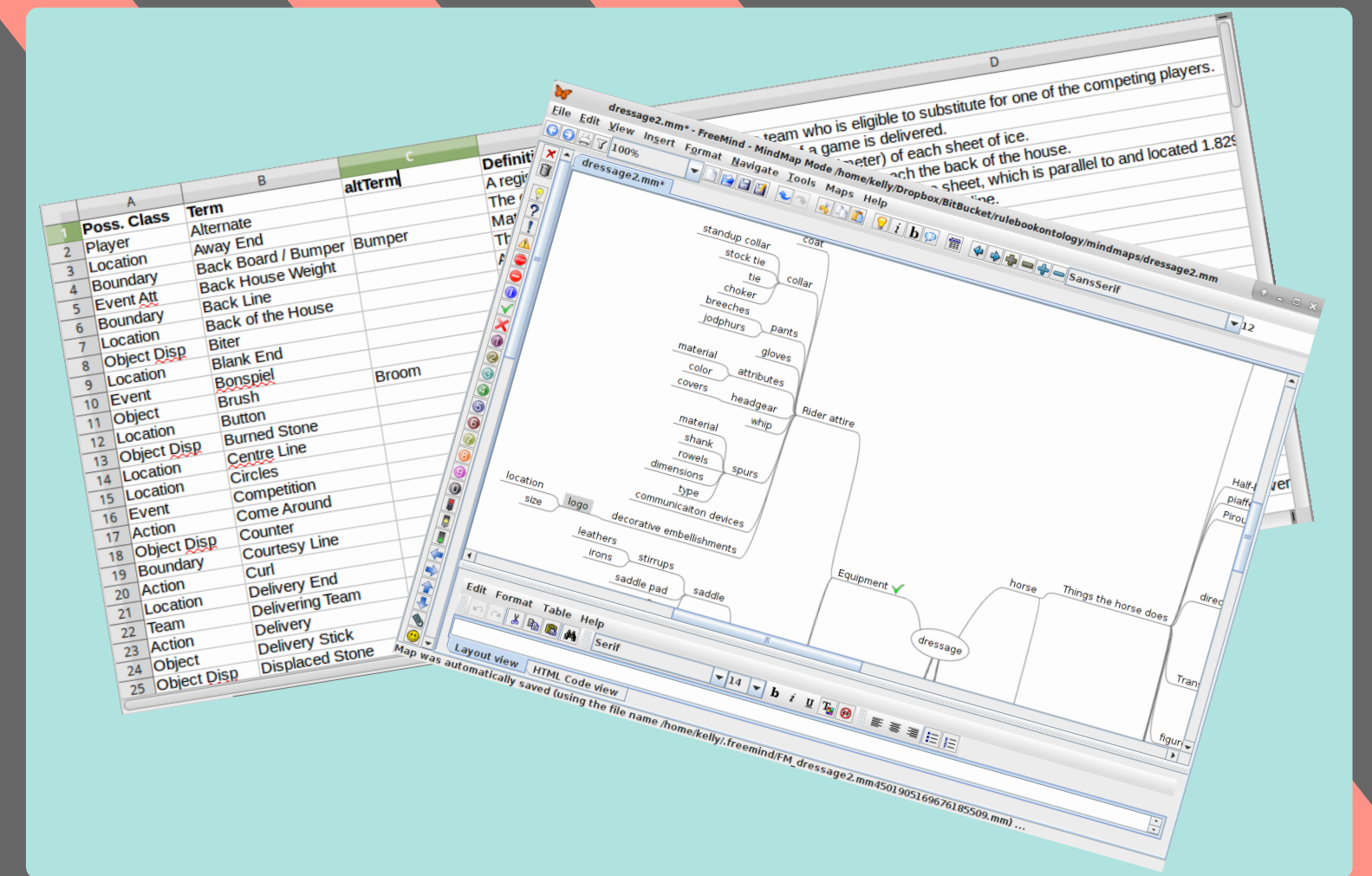
Sampling and
PreProcessing



Introduction

Official rulebooks for different **sports** contain much of the same kind of information. I explored how to use this characteristic of the genre to inform the development of an extensible, discipline-agnostic **model of sports**. Formalized as an **ontology**, such a model can turn the unstructured data of rulebooks into powerful **knowledge organization systems**.

Analysis

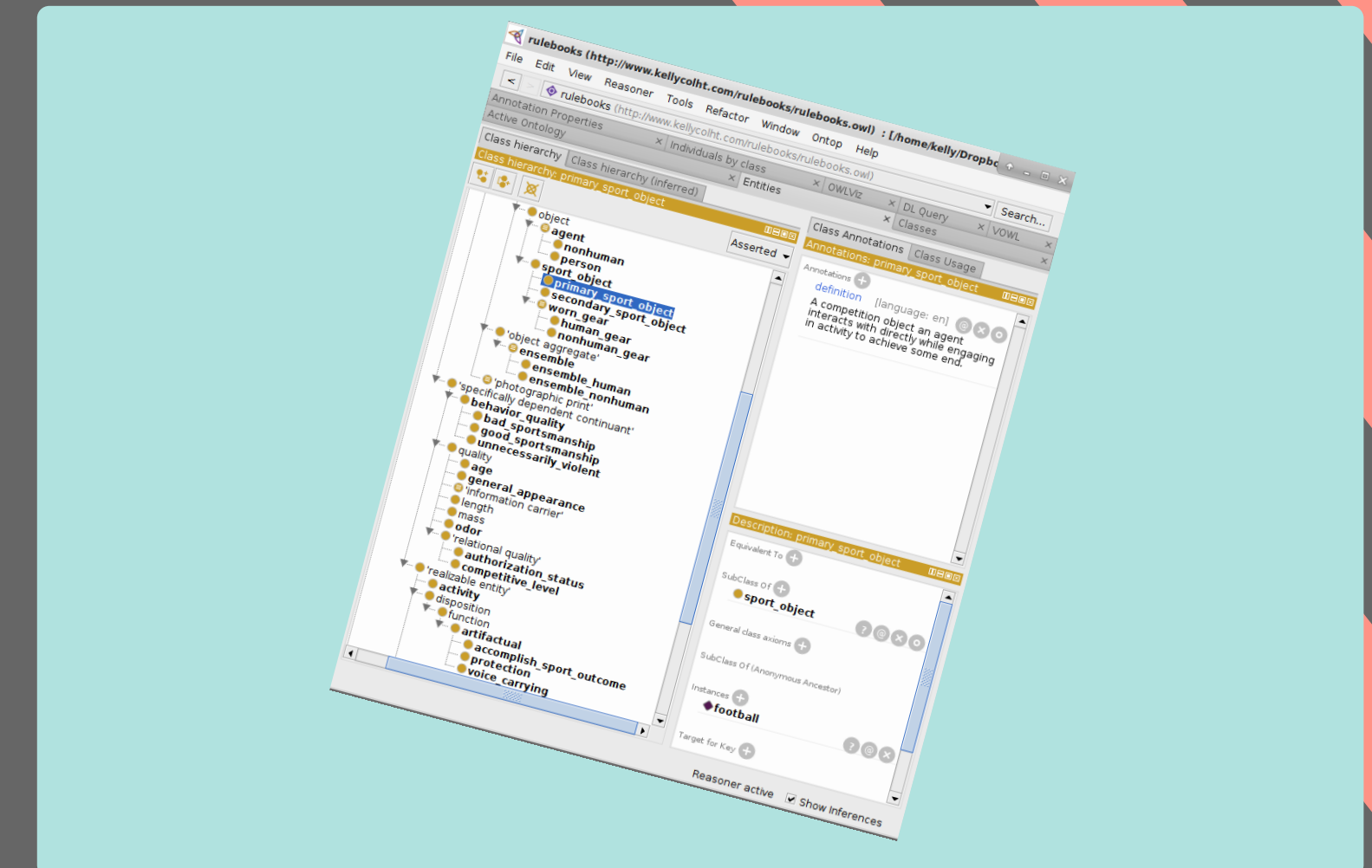


Overview

A small **sample** of rulebooks [1,2,3,4] was **processed** and then **analyzed** to identify:

- structural and rhetorical **similarities**
- shared **universal entities** and **relationships**
- **thematic recurrences** (i.e. doping, treatment of animals, injury prevention, cheating, special accommodations for competitors, etc.)

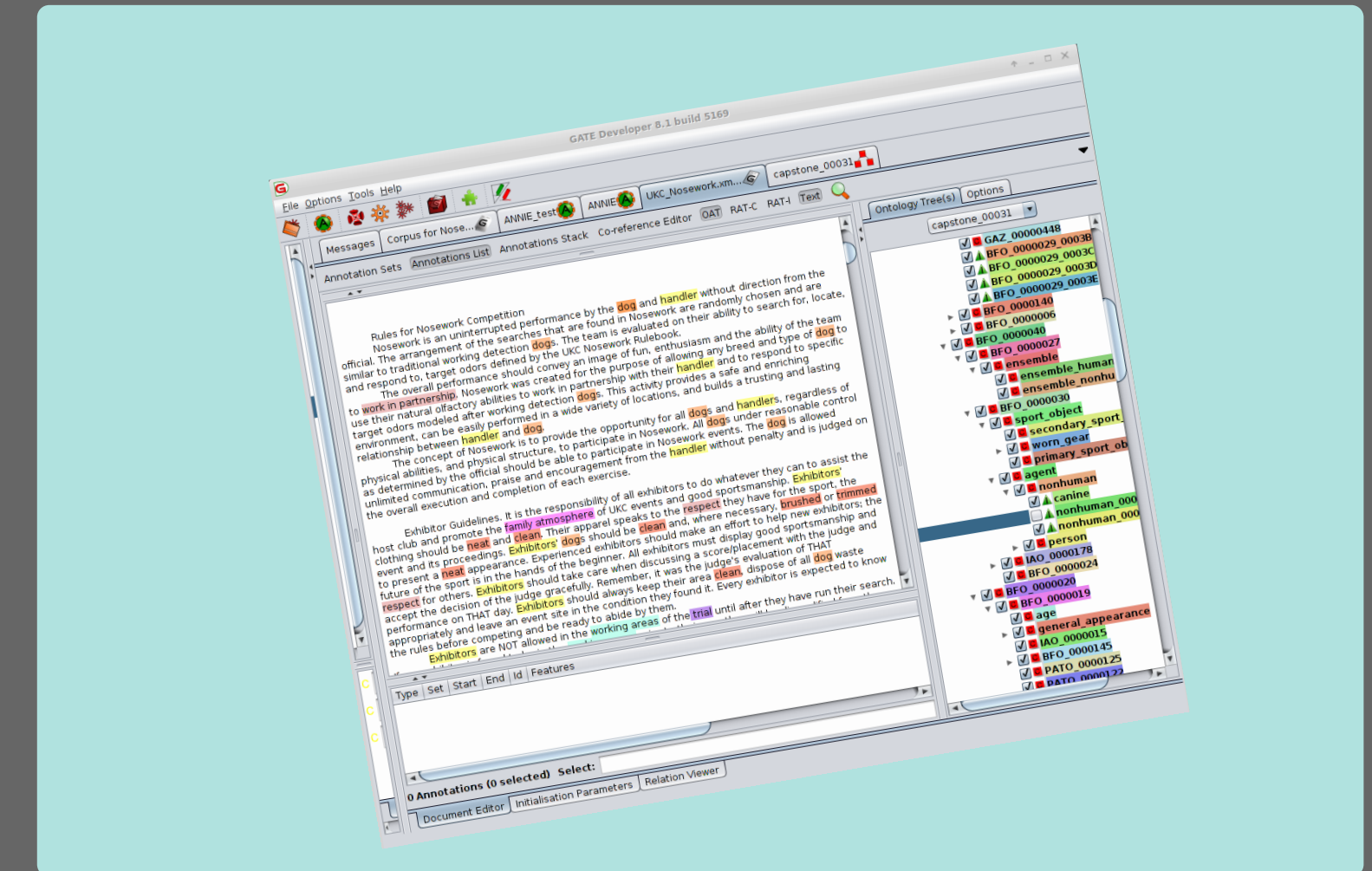
Modeling



After **modeling universals conceptually**, attempts were then made to create a mid-level **Sports Rulebook Ontology** able to be aligned with a sound **upper-level ontology**.

As a **proof-of-concept**, the next step is for the ontology to be **applied** in the form of semantic annotations to a **test corpus** comprised of the sample rulebooks. This offers a way for the ontology to be **evaluated** and **actively refined**.

Application
/ Evaluation



Future Directions

- A **knowledge base** of **sports rules and regulations**
- An **interactive browsing environment** for displaying rulebook versions, highlighting **changes over time**
- Enhanced systems for **electronically authoring**, versioning, and publishing the **dynamic content** of rulebooks

"At its best, sport demonstrates human freedom and possibility and transcendence of what have previously been thought of as traditional ideas of human limitations." [5]

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Tech

LibreOffice Calc, Evolus Pencil, Freemind, General Architecture for Text Engineering (GATE), Protégé, PoolParty Thesaurus Server

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