Outline additional chapters

1. Background interpretation number of contributors (NOC) in short tandem repeat (STR) profiles
   1. STR profiles
   2. Tools for NOC interpretation
      1. MAC
      2. nC-tool
      3. NOC Machine Learning tool
      4. Decision tree implementation
   3. Results survey NOC interpretation experts BiS from NFI
      1. Results workflow
      2. Results type of data
      3. Results type of explanations
2. Background explainable artificial intelligence (XAI)
   1. Introduction
   2. Model agnostic local explanations
   3. “Factual” methods
      1. Anchors
      2. SHAP
   4. Counterfactual methods
      1. *Wachter et al.*
      2. Multi-Objective Counterfactuals (*Dandl et al*)
      3. FACE
3. Analysis data & model
   1. Original 590
   2. Sampled 5000
      1. EuroForMix
      2. Parameters
   3. Benchmark models
4. Experiments with explanations
   1. Counterfactual visualizations
      1. Only show changed features
      2. Scale features
      3. Each feature has their own scale
      4. Interpretation by experts
   2. Anchors
      1. Research into sampling
      2. Research into *anchored counterfactuals*
      3. Interpretation by experts
   3. SHAP
      1. Multi-class classification
      2. Regression
      3. Interpretation by experts