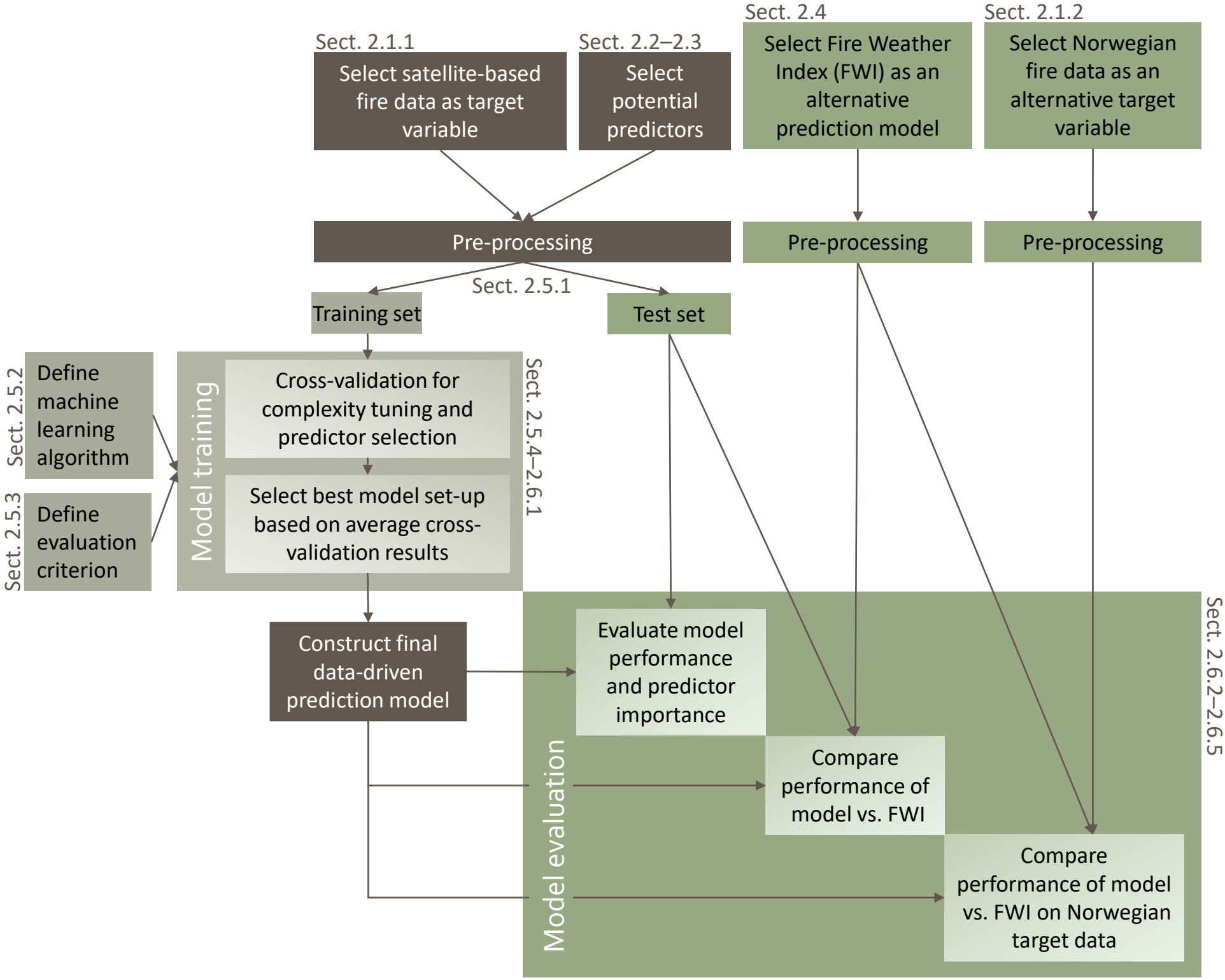
Sect. 2.1.1
Select satellite-based fire data as target variable
Sect. 2.2–2.3
Select potential predictors
Sect. 2.4
Select Fire Weather Index (FWI) as an alternative prediction model
Sect. 2.1.2
Select Norwegian fire data as an alternative target variable
Pre-processing
Pre-processing
Pre-processing
Sect. 2.5.1
Training set
Test set
Sect. 2.5.2
Define machine learning algorithm
Sect. 2.5.3
Define evaluation criterion
Model training
Cross-validation for complexity tuning and predictor selection
Select best model set-up based on average cross-validation results
Sect. 2.5.4–2.6.1
Construct final data-driven prediction model
Model evaluation
Evaluate model performance and predictor importance
Compare performance of model vs. FWI
Compare performance of model vs. FWI on Norwegian target data
Sect. 2.6.2–2.6.5