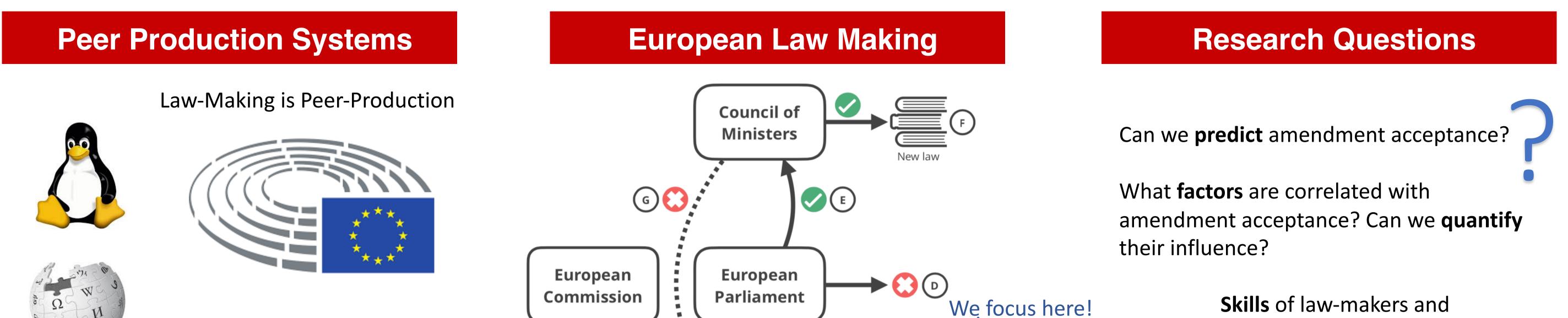
# War of Words II Enriched Models of Law-Making Processes

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European Parliament (EP)



controversy of laws?
Text inserted or deleted?
Nationality or political group of
the authors?
...etc.

# Data

## **Conflicting Edits Model**

## At most 1 edit accepted per conflict

Scraped from EP website Extensive & rich dataset

Both metadata and amendment text

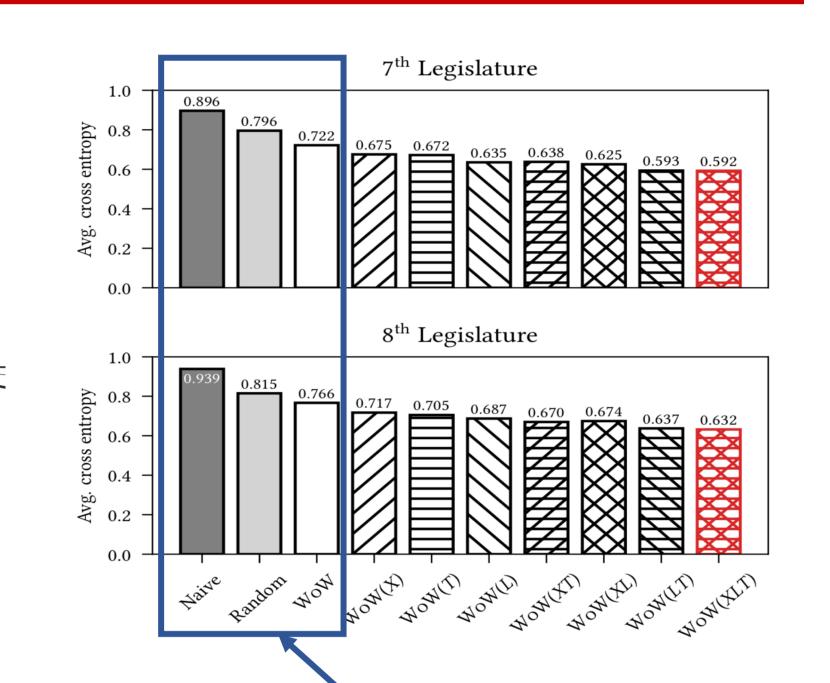
2 legislatures 10 years ~200,000 amendments

Amendment 802 Lidia Joanna Geringer de Oedenberg, Catho Article 13 – title	erine Stihler, Victor Negrescu	$\frac{3 \text{ Edits}}{\emptyset \rightarrow \text{"c}}$
Text proposed by the Commission Use of protected content by information society service providers storing and giving access to large amounts of works and other subject-matter uploaded by their users	Amendment Use of copyright protected content uploaded by users of information society service providers	"by" – "storin
Amendment 803 Tadeusz Zwiefka, Bogdan Brunon Wenta Article 13 – title Text proposed by the Commission	Amendment	<u>2 Edits</u> "large'
		laige

# $\begin{array}{c} \underline{3 \ Edits}\\ \emptyset \rightarrow "copyright"\\ "by" \rightarrow "uploaded...of"\\ "storing...users" \rightarrow \emptyset \\ \hline \\ 1 \\ 2 \ Edits \end{array}$

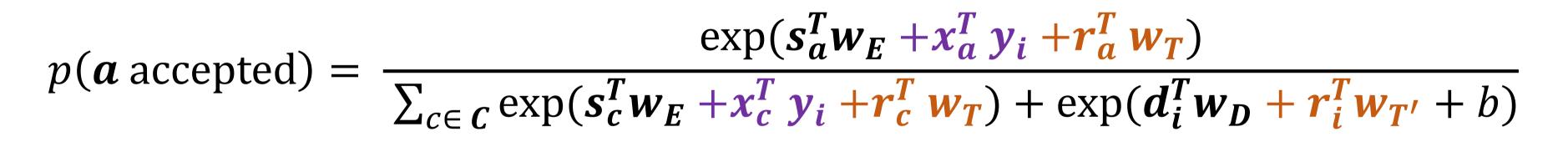
Targe"  $\rightarrow$  "significant"  $\rightarrow$  "copyright protected"

# **Prediction Results**



WoW(XLT) Model of Edit Acceptance

Baselines



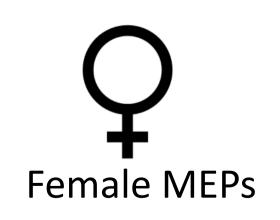
X – eXplicit features, L – Latent features, T – Text features

Interpretation of Feature Weights

**Text Features** 



Higher Chance of Acceptance for



Short insertions

Rapporteur's Edits

Edits with Justification

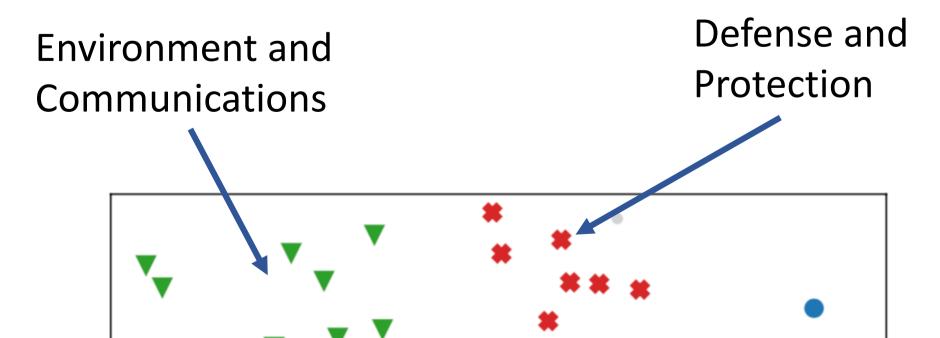
Title: "customs", "fisheries", "general budget"

Acceptance

"any other"  $\rightarrow \emptyset$ "human rights"  $\rightarrow \emptyset$  $\emptyset \rightarrow$  "should"  $\emptyset \rightarrow$  "inserted"

### <u>t-SNE plot</u>

Latent Features





MEPs from Centre-right

## $\emptyset \rightarrow$ "positive"

<u>Rejection</u>

Title: "market", "framework", "greenhouse gas"

"firearms", "terrorist", "fingerprint"  $\emptyset \rightarrow$  "must"  $\emptyset \rightarrow$  "deleted"  $\emptyset \rightarrow$  "negative" Business and Innovation Businest and Innovation

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