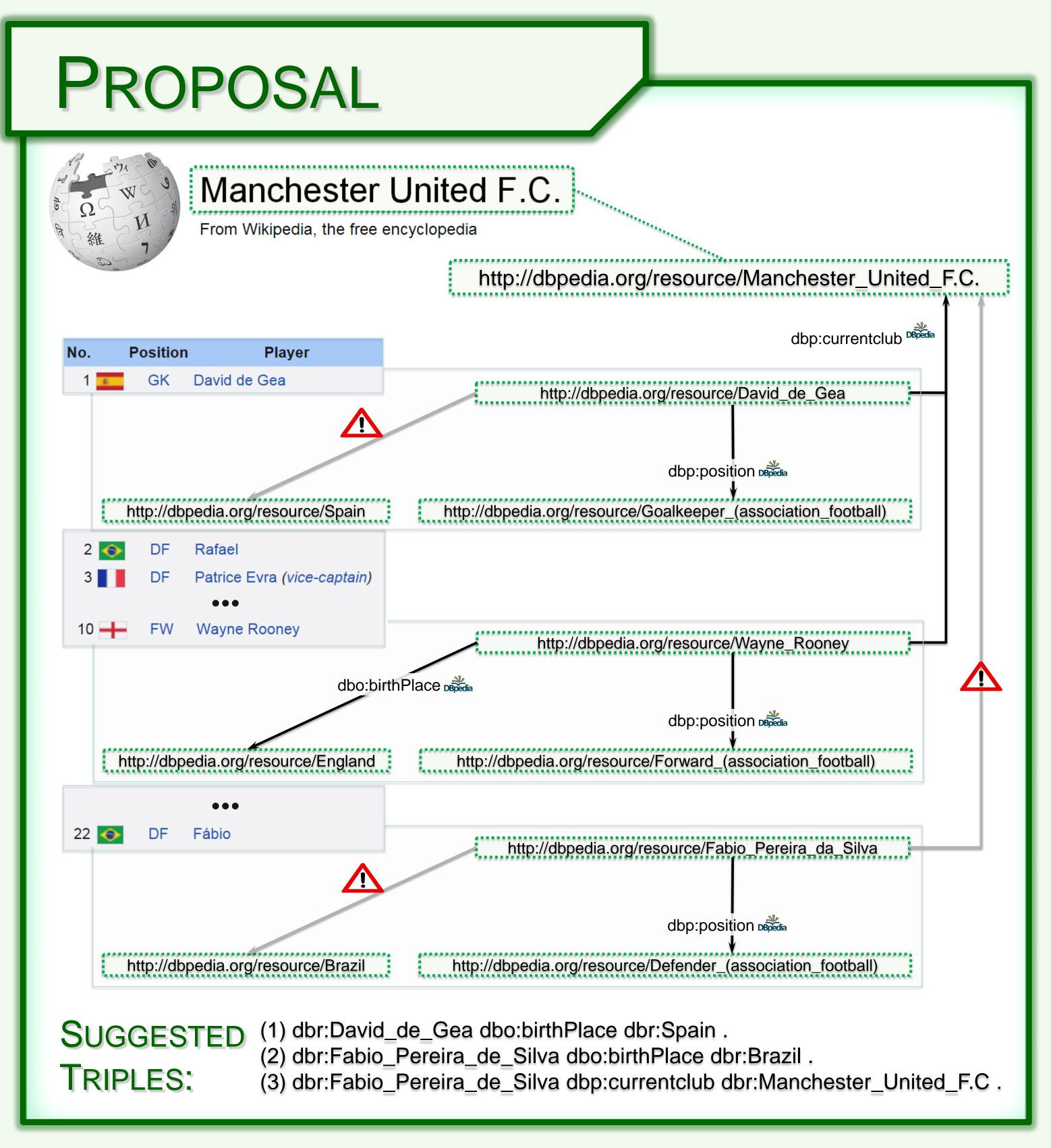
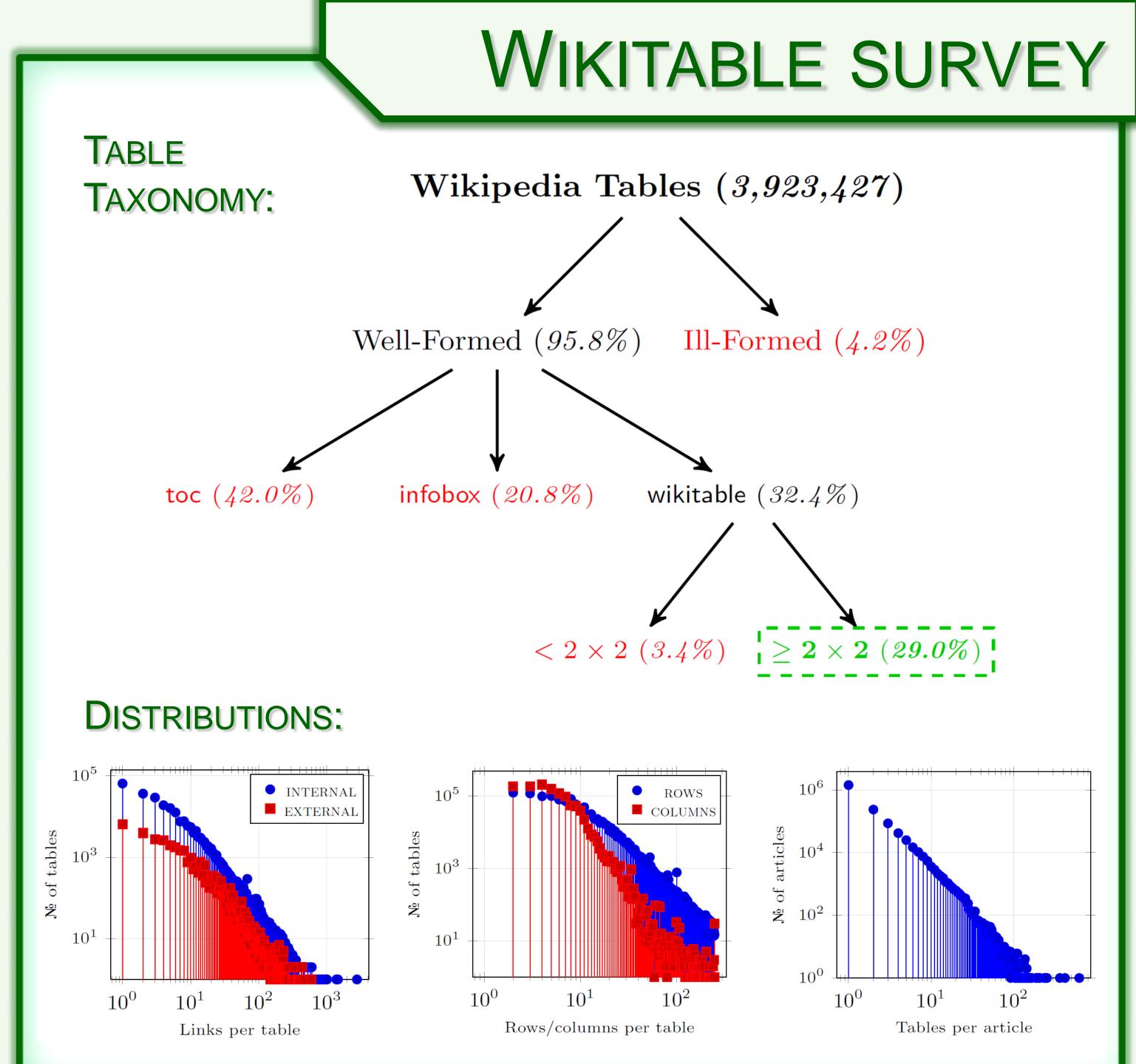
DRETA: EXTRACTING RDF FROM WIKITABLES

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(1) EXTRACTED 34.9 MILLION UNIQUE & NOVEL TRIPLES FROM 1.14 MILLION WIKITABLES

(8 MACHINES: 4GB RAM, 2.2 GHz SINGLE CORE; 12 DAYS)

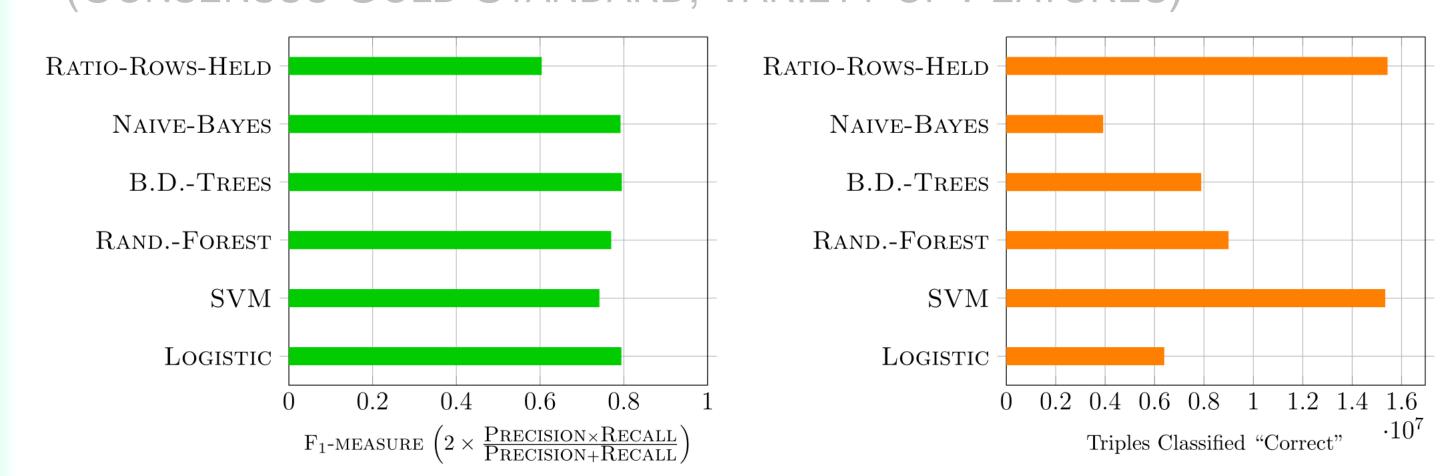
(2) INITIAL EVALUATION:

(Manual Annotation; Three Judges; 750 Triples each)

All correct Some correct, Rest unknown	$\begin{array}{c} 234 \\ 27 \end{array}$	$31.2\% \ 3.6\%$
Positive consensus	261	34.8%
All incorrect Some incorrect, Rest unknown	195 48	$26.0\% \\ 6.4\%$
Negative consensus	243	$\boldsymbol{42.8\%}$
Some correct, Some incorrect (removed)	246	32.8%

(3) MACHINE LEARNING CLASSIFIERS:

(CONSENSUS GOLD STANDARD; VARIETY OF FEATURES)



FROM 1.14 MILLION WIKITABLES:

BAGGING DECISION TREES: SUPPORT VECTOR MACHINES:

7.9 MILLION TRIPLES @81.5% PREC. 15.3 MILLION TRIPLES @72.4% PREC.

RESULTS

DEMO ... http://emunoz.org/wikitables









NUI Galway OÉ Gaillimh

Enabling Networked Knowledge