DD4A: Digital Development for Africa

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01

Background

Our Project

Automating Results

Working towards integrating into an automatized, real-time dashboard

Improving Scorecard Process

Automizing classification of reports for internal organization

Workflow Roadmap

02

The Data

Broadband Connectivity Data

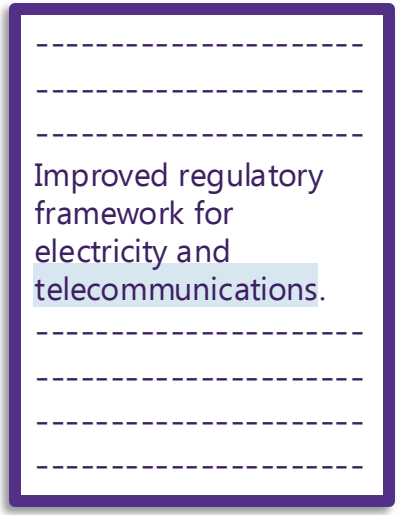
Classify projects as related to broadband connectivity or not using indicator keywords.

03

Indicator Classification Approaches

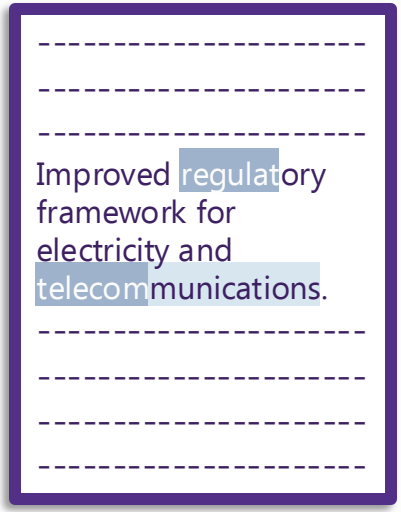
Naïve Approach

List of Indicators

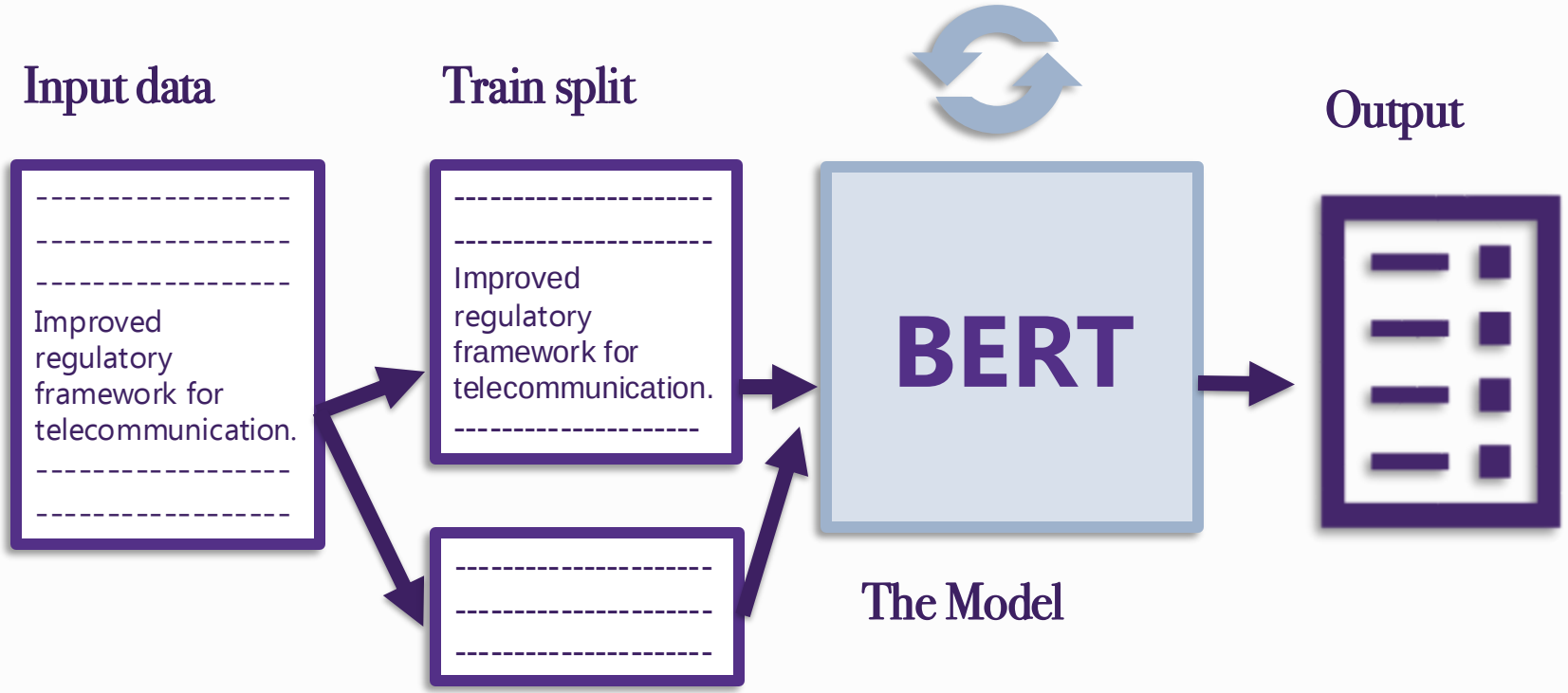


Identify Digital Indicators

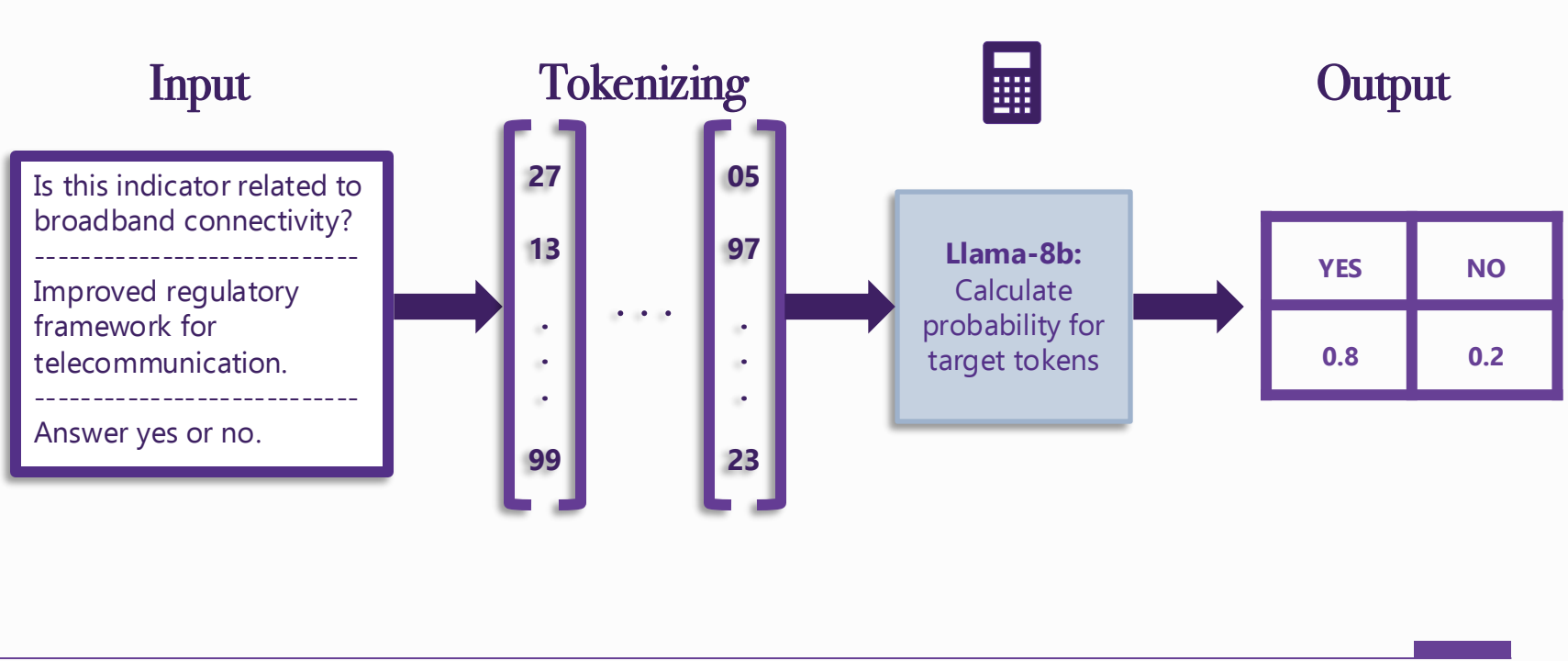
Identify Broadband Connectivity



BERT LLM Approach

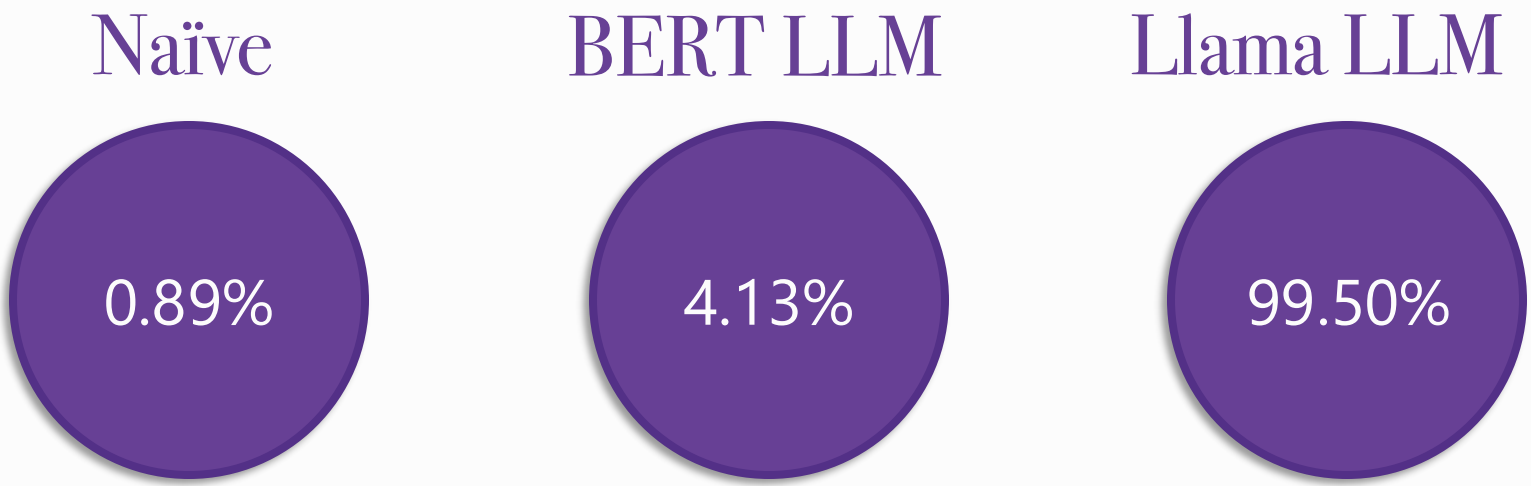


Llama LLM Approach



Comparison of the Models

Percent Classified Broadband



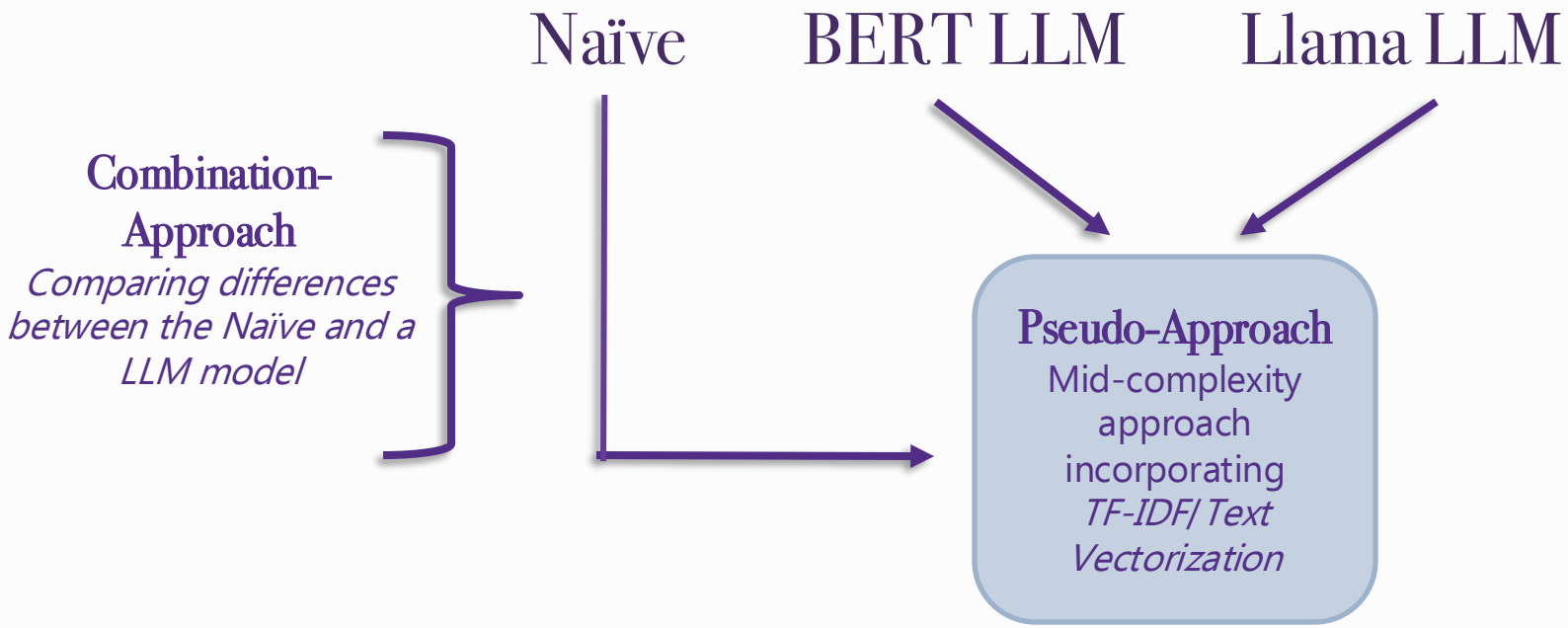
Comparison of the Models

	Total Differing Responses	Broadband by Model X, Not by Y	Not Broadband by Model X, Broadband by Y
Naïve vs. BERT	14,892 (3.53%)	14,252 (95.70%)	640 (4.30%)
Naïve vs. Llama	195 (97.5%)	0 (0.00%)	200 (100.00%)
BERT vs. Llama	188 (94.00%)	0 (0.00%)	200 (100.00%)

Naïve and BERT run on all ISR data (421,701 obs.)
Llama run on random sample of ISR data (200 obs.)

04 Future Work

Improvements



… The New Model

Questions?

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