UNIVERSITY OF SARGODHA
PATHWAY TO PROGRESS

Web Ontology Project: General Election in Pakistan Ontology (Searching Ontologies)

Submitted to:

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Searching Ontologies

❖ **Definition:**

    Searching the ontologies relevant to *General Elections* to reuse in "General Elections in Pakistan" Ontology.

❖ **Goal**

    To find ontologies to be reused or exploited.

❖ **Input**

    Keywords, Synonyms of "Election"

◆ Ballot
◆ Vote
◆ Poll
◆ Referendum

❖ **Output**

1. Election Ontology
2. Formalized Ontology of Election
3. Ballot Ontology
4. E-voting app
5. Brexit, existential anxiety and ontological (in)security

❖ **Who & when?**

Ontology Title	Who	When
Election Ontology	GitHub User: *fantasticlife*	Feb 16, 2017

Formalized Ontology of Election	1. Ibiyinka Temilola Ayorinde • University of Ibadan 2. Babatunde Akinkunmi • University of Ibadan 3. Adebayo Olaoluwa Adenuga • University of Ibadan	June, 2017
Ballot Ontology	1. Roberto Casati 2. Achille C. Varzi	Published to Oxford Scholarship Online: April, 2021
E-voting app	1. Maria Karyda • University of the Aegean 2. Theodoros Balopoulos • University of the Aegean 3. S. Dritsas Lazaros Gymnopoulos • Information Technologies Institute (ITI)	May, 2006 Source: IEEE Xplore

Brexit, existential anxiety and ontological (in)security	Christopher S. Browning	

Summary:

All ontologies are related to "Election". But some features differ, including:

1. Implemented in other languages/ methods then OWL.
2. Different in scenario.
   (Related to business/public opinion)
3. Missing/Different features:

   - Not relevant to election process in Pakistan
   - Govt. system not mentioned
        (Either *Presidential* or *Parliamentary* or any other)
   - PM/President elections not mentioned separately

   Most relevant to "General Elections in Pakistan":
   Election Ontology, GitHub

References/ links:

❖ **Keyword#1 Election:**

1. Election Ontology:

https://ukparliament.github.io/ontologies/election/election-ontology.html

2. Formalized Ontology of Election:

https://www.researchgate.net/publication/334272639_A_Formalised_Ontology_of_Election

❖ **Keyword#2 Ballot:**

Ballot Ontology:

https://oxford.universitypressscholarship.com/view/10.1093/oso/9780198846222.001.0001/oso-9780198846222-chapter-9

❖ **Keyword#3 Vote:**

E-voting app:
https://www.researchgate.net/publication/4238745_An_ontology_for_secure_e-government_applications

❖ **Keyword#4 Poll:**

No relevant ontology found in search yet.

❖ **Keyword#5 Referendum:**

Brexit, existential anxiety and ontological (in)security:

https://www.tandfonline.com/doi/abs/10.1080/09662839.2018.1497982

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