An exploratory content analysis of the presidential speeches of Peru, 1956-2019

By Carla Solis and Luis Eduardo San Martin



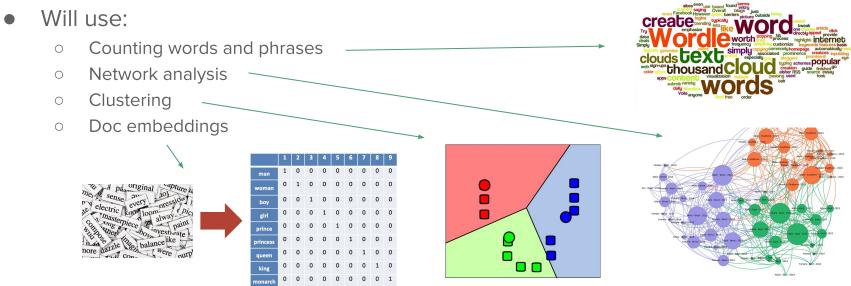
Quick comment on our corpora

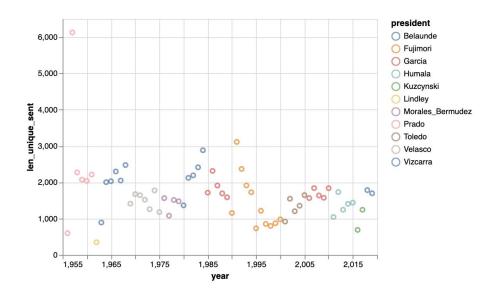
- Speeches from 1956-2019 (64 in total, one per year), 13 administrations, 11 presidents.
- Average number of words per speech: 4,000+
- Average number of unique words per speech: 1,580
- Language: Spanish



Overview of **methods**

 Key question: Does an exploratory content analysis of the presidential speeches of Peru during 1056-2019 go in line with the analysis and work of political scientists about Peru?

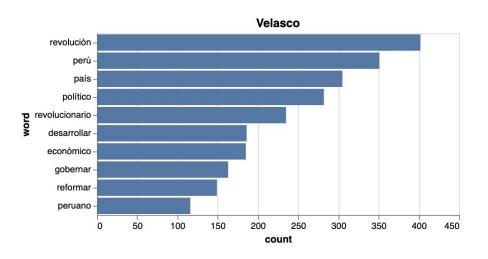


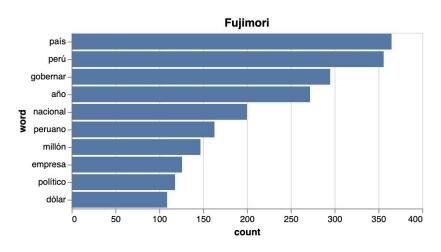


Counting the words

Common trends among all presidents: **año**, **pais** and **Peru. Gobernar** and **peruano** are also important

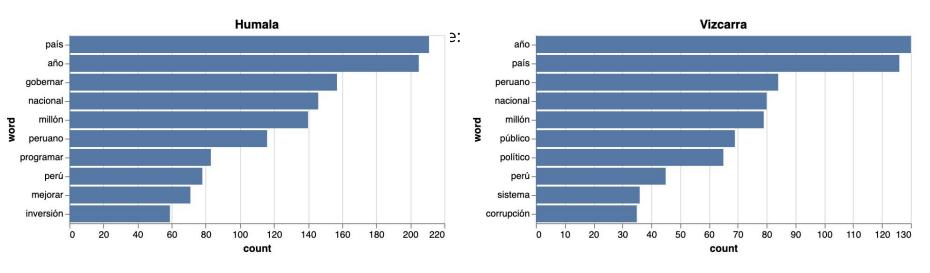






The language of a coup: revolución, revolucionario, reformar, desarrollar

The language of a new economic liberal model: **empresa, millon, dolar**.

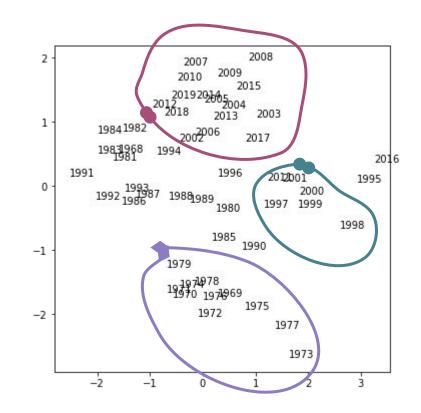


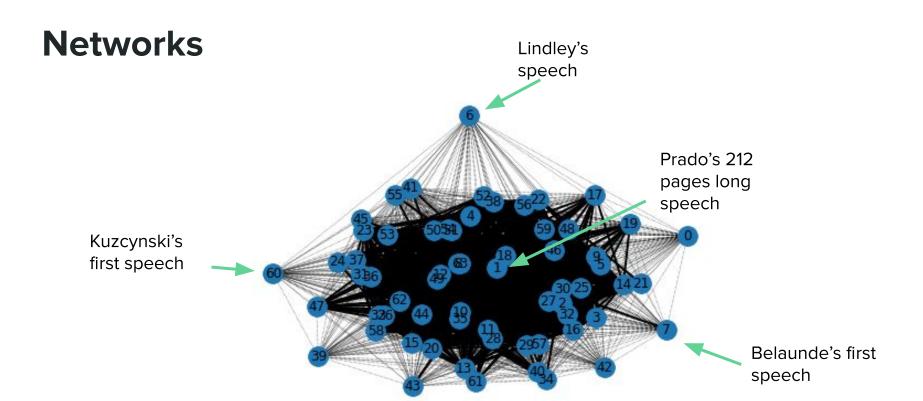
A left-wing leader with a clear pro-market message: millón, programar, inversión

A leader who wasn't elected by people: **político**, **sistema**, **corrupción**

We can see patterns that will be more evident with clustering:

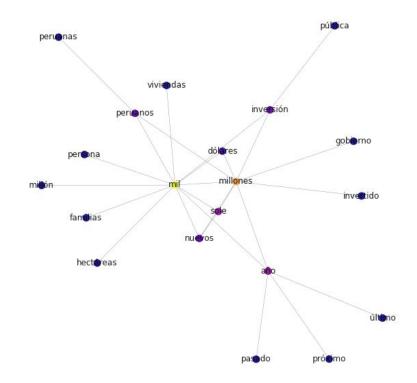
- The decade of the 70's group (military dictatorships).
- 2. The late 90's, beginning of 2000's
- 3. The whole 2000's





Networks

Similar result to what we saw with counting words:
Key words in the speeches.

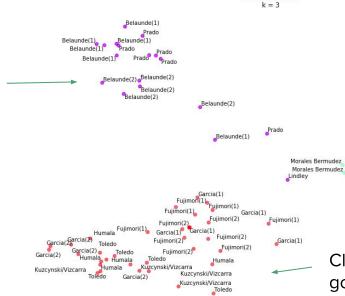


Predicted Clusters

Cluster 1: Every democratically elected gov. from 1956-1984, exc. for Lindley (military regime, took power with a coup)



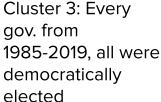








Cluster 2: Every gov. that come to power through a military coup exc. for Lindley, almost all of them from the 1970s



Velasco

Morales Bermudez

Morales Bermudez Velasco Velasco Sco Velasco











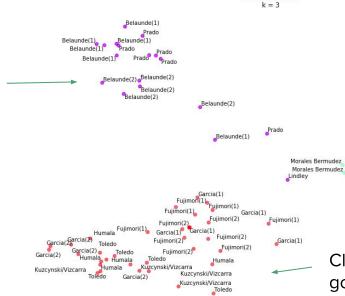


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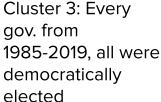








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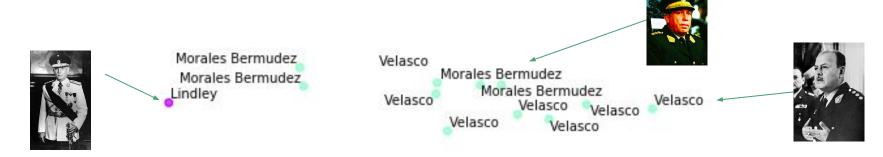






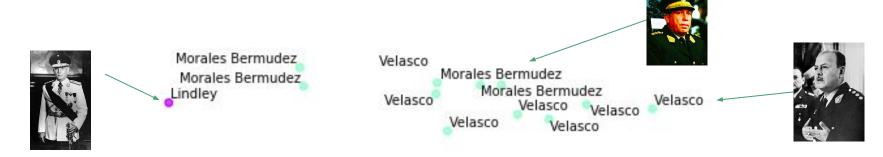


A closer look into the cluster of **military regimes**



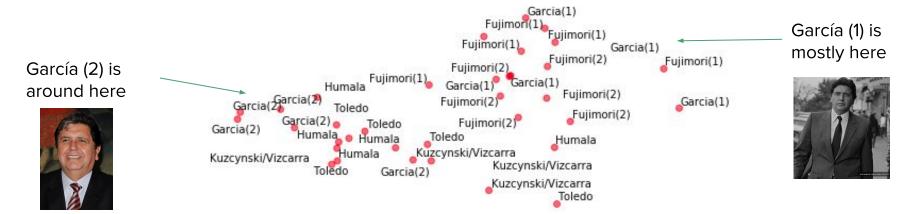
- Lindley's only speech (1962) located very close: makes sense because he was also an army general who took power by force.
- Morales Bermúdez (1976-1979) ousted Velasco's regime (1968-1975).
- Rhetorically, he claimed to continue with Velasco's reforms -- our results are in line with this.
- In practice, he mitigated the policies of his predecessor.

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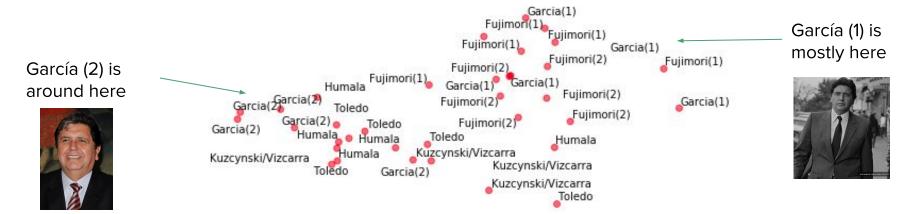
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Comparing the semantic space of Garcia's two regimes



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- Each time, elected on very different platforms: vindication of the basic rights of the ultra poor and application of neoliberal economic policies.
- Our results highlight: García 1985-1990 ≠ García 2006-2011

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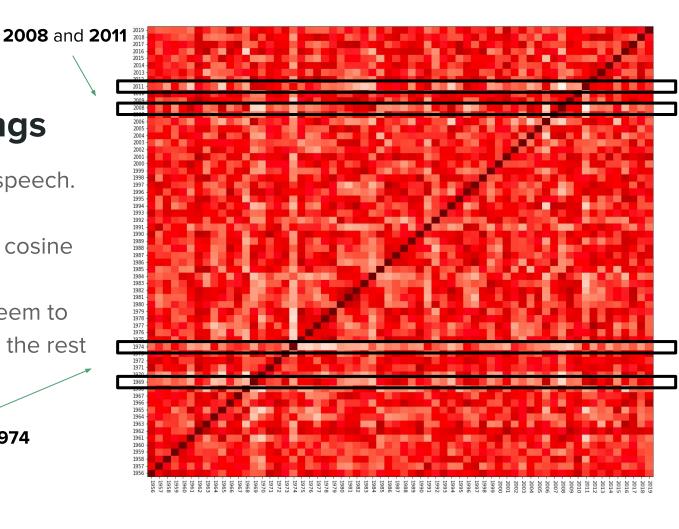


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Doc embeddings

- Doc2vec of each speech.
- Matrix shows speech-to-speech cosine similarity of result.
- Some speeches seem to be more distant to the rest

1969 and **1974**



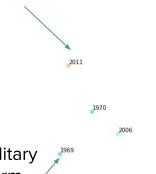
Semantic spaces in document embeddings

Why do some speeches stand out of the crowd?

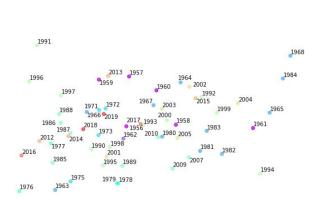
2011: Humala's inaugural speech, tried to set himself apart from the economic policies of his predecessors and emphasize social policies instead



1974: Velasco happened to read his full gov. plan in the middle of the speech



1969: Velasco's military coup and land reform, both important milestones in Peru's political history



2008: Amidst the start of the Great Recession, García focused on the challenges ahead instead of the achievements of his administration, like almost every president does

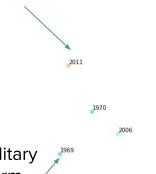
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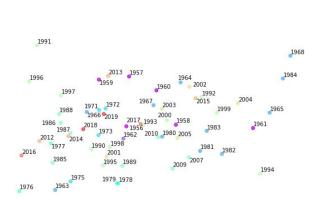
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Conclusions

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 - Velasco's military regime was unique in many ways, and his speeches were unique too.
 - García changed radically between 1985 and 2006, not only in his policies but also in discourse.
 - Policies and speeches from the administrations of 2001 onward look similar.
- Nevertheless, these results have to be observed carefully.
 - After all, this is an exploratory analysis.
 - To our best knowledge, there are no other computational content analyses of any political discourses of Peru.

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