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The Bingo Adaption

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BINGO

6	25	5	26	46
24	56	57	77	60
70	78	FREE ★ FREE	86	38
73	52	16	2	57
93	66	49	84	11

ID: 1





BINGO

6	25	5	26	46
24	56	57	77	60
70	78	FREE ★ FREE	86	38
73	52	16	2	57
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SCIENTIFIC INTRODUCTORY PHRASE

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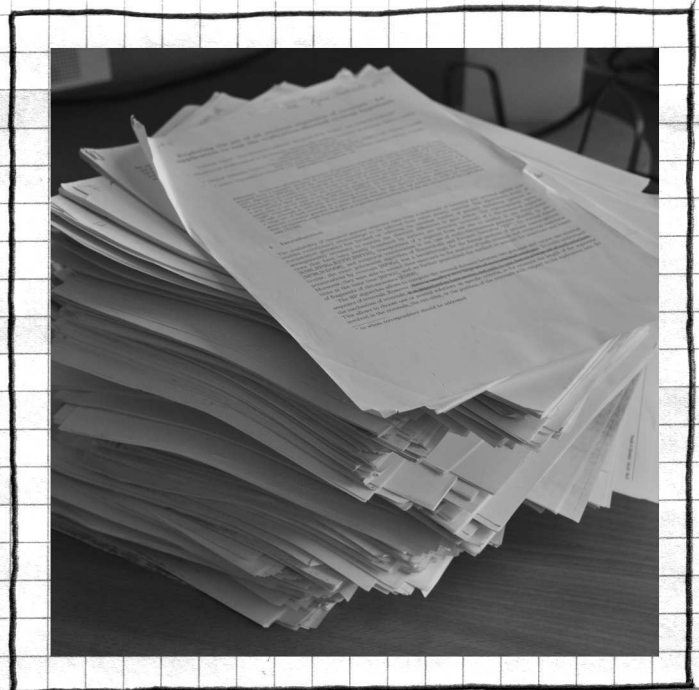
In [tfo] X, Y is often used to propose Z.	X has been used in numerous studies to investigate Y.	X is a critical step to better understand Y.	The difficulty of X has been well documented.	X and especially the study of Y, have been almost completely redefined by Z.
For about a decade, scientists have been studying the problem of X.	X comprise one of the longest-abiding mysteries of Y.	Almost X years ago Y proposed that Z.	Evaluating X in terms of Y has been intensively studied.	In recent years, X has become the preferred Y.
X is one of the most challenging problems in [tfo] Y.	Over the past century there has been a dramatic increase in X.	FREE ★ FREE	The problem of X has come up in [tfo] Y.	An important problem in [tfo] X is Y.
X has been one of the grand challenges in [tfo] Y.	Recent studies provide evidence that Y.	A fundamental goal of X is to Y.	X is becoming an important tool in [tfo] Y.	X has been studied systematically in [tfo] Y.
X is the subject of an ongoing controversy.	Traditionally, X is performed by Y.	X presents special challenges to [tfo] Y.	In recent years, there has been an increasing interest in X.	Recent analysis of X revealed evidence for Y.

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Scientific Introductory Phrases

- 209 papers
- first sentence of abstract or introduction
- replace any scientific content with variables X , Y and Z



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4 groups of sentences

- scientific facts ($\approx 40\%$)
- definitions ($\approx 4\%$)
- summary sentences ($\approx 5\%$)
- buzzword-alike phrases ($\approx 51\%$)

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Common phrases

- X is a ... problem in Y .
- One of the ... problems in X is Y .
- Traditionally, X is Y .
- X is becoming a ... in Y .
- In recent years, X has become Y .

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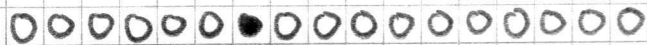
More sophisticated phrases

"Although the analysis of X was pioneered by Y several years ago, we still know very little about Z ."

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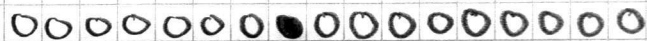
More sophisticated phrases

"Ever since prehistoric times X has played an important role."



More sophisticated phrases

"X has led to suggestions that Y has an important role in \mathcal{Z} ."



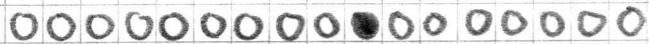
More sophisticated phrases

"The role of X in the field of Y is so central that the two words are almost synonymous."



More sophisticated phrases

"Many people (including ourselves) believe that X."



More sophisticated phrases

"We acknowledge the presence of X."

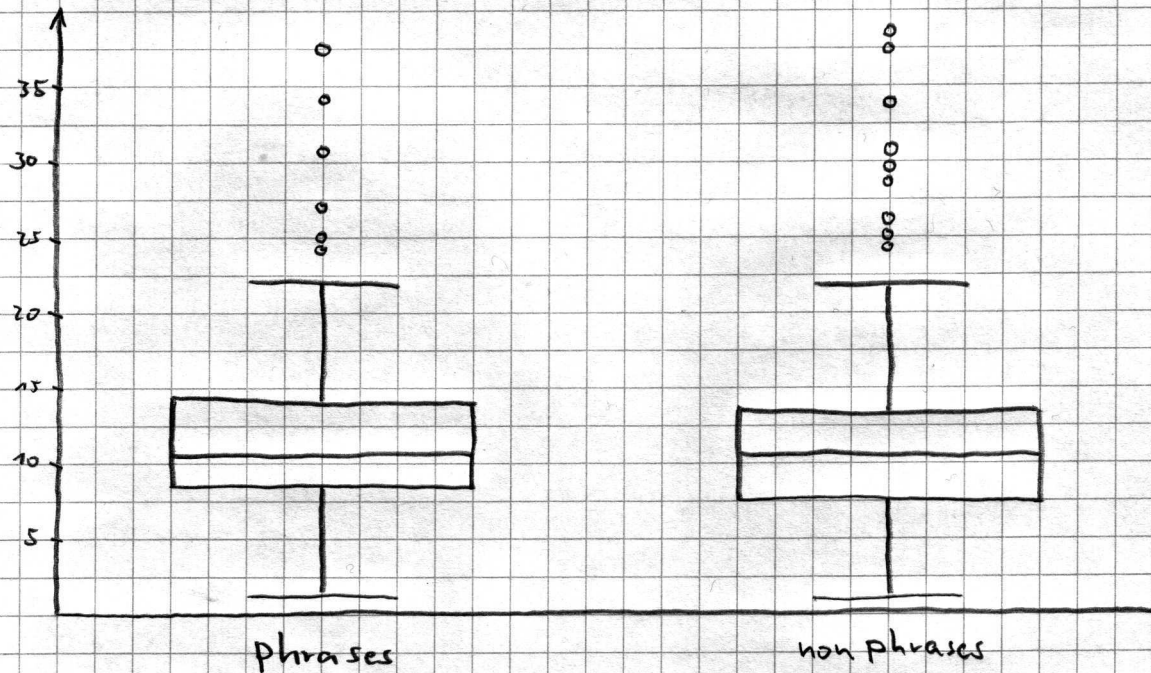
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Statistics

- ▣ No. of pages
- ▣ No. of authors
- ▣ Year
- ▣ Country

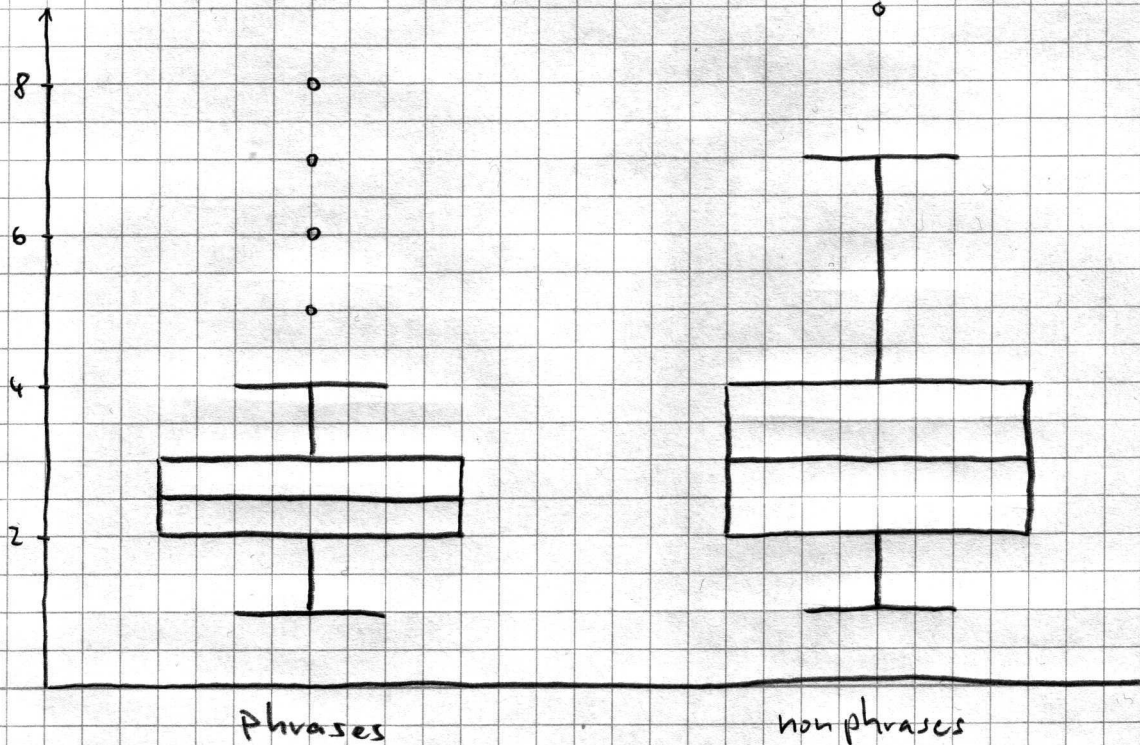
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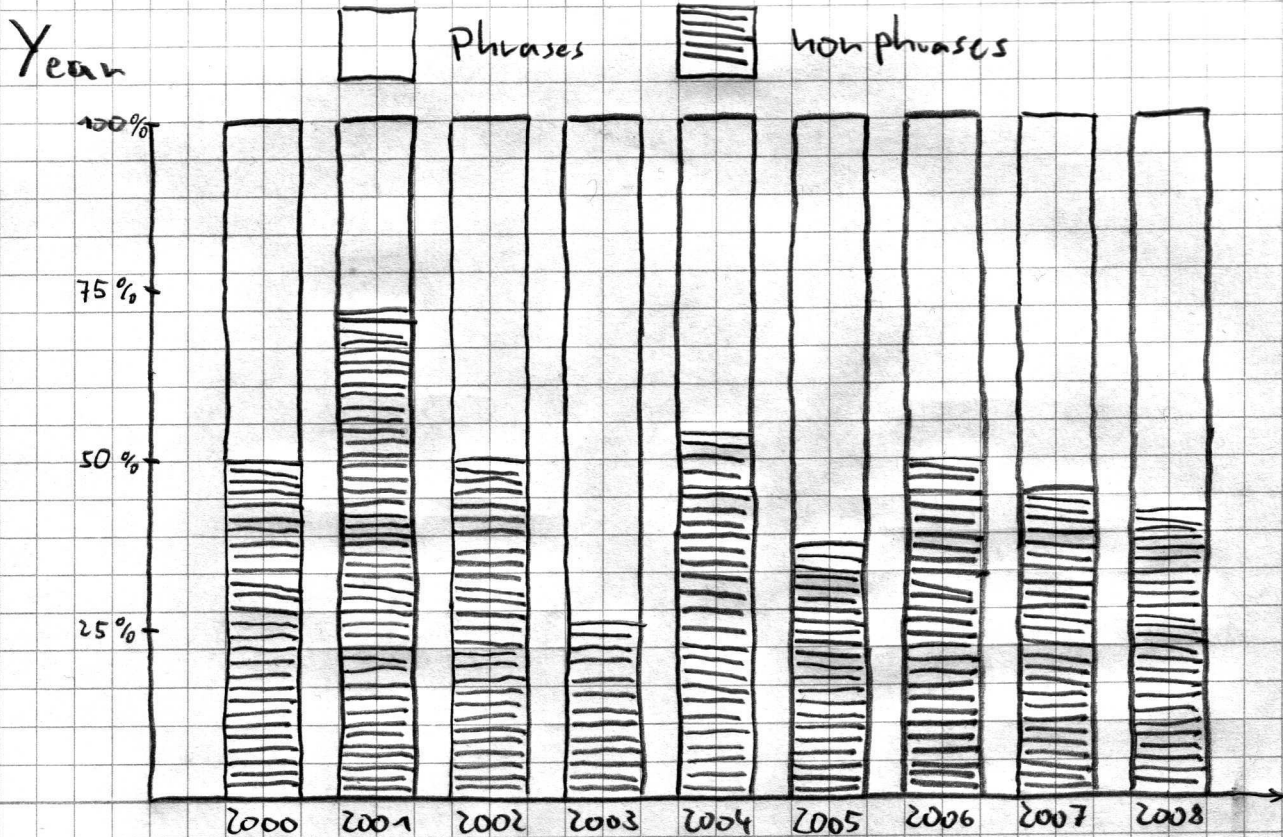


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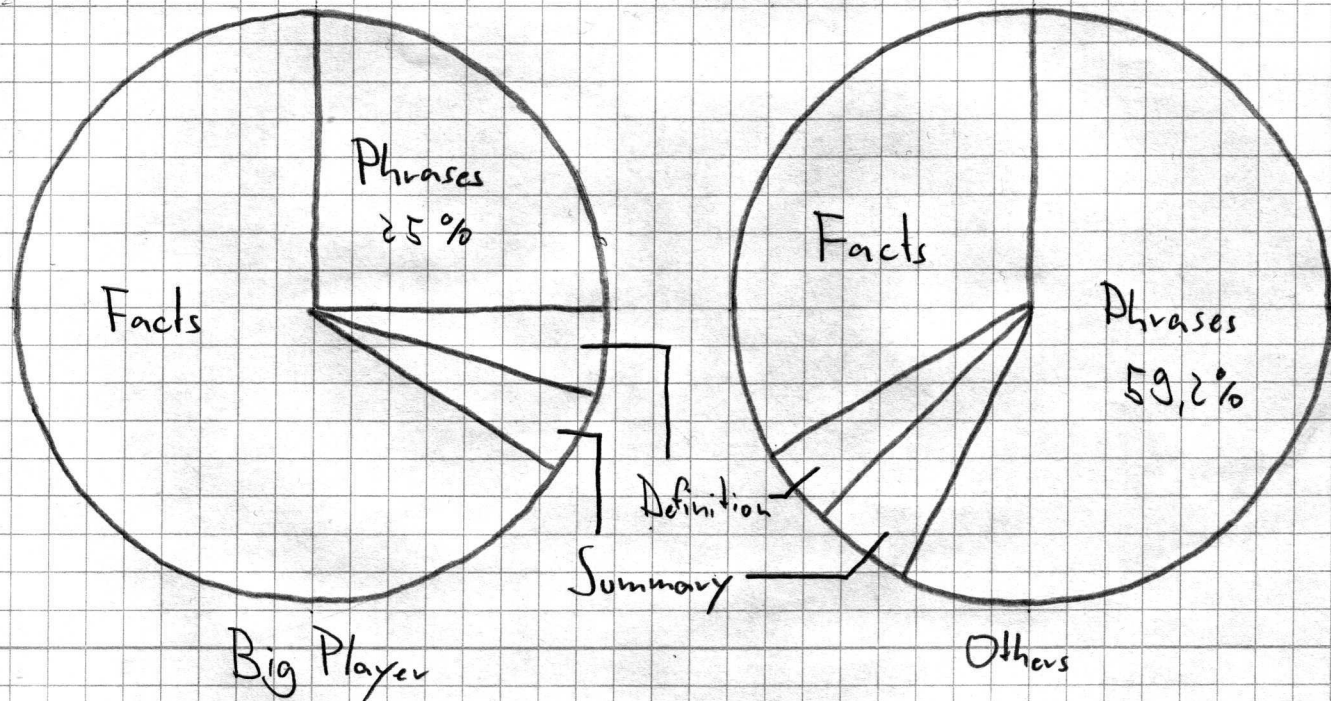
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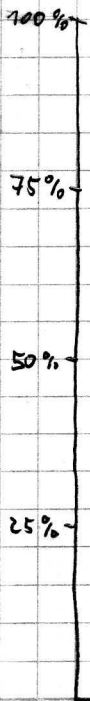


Big Player



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Country

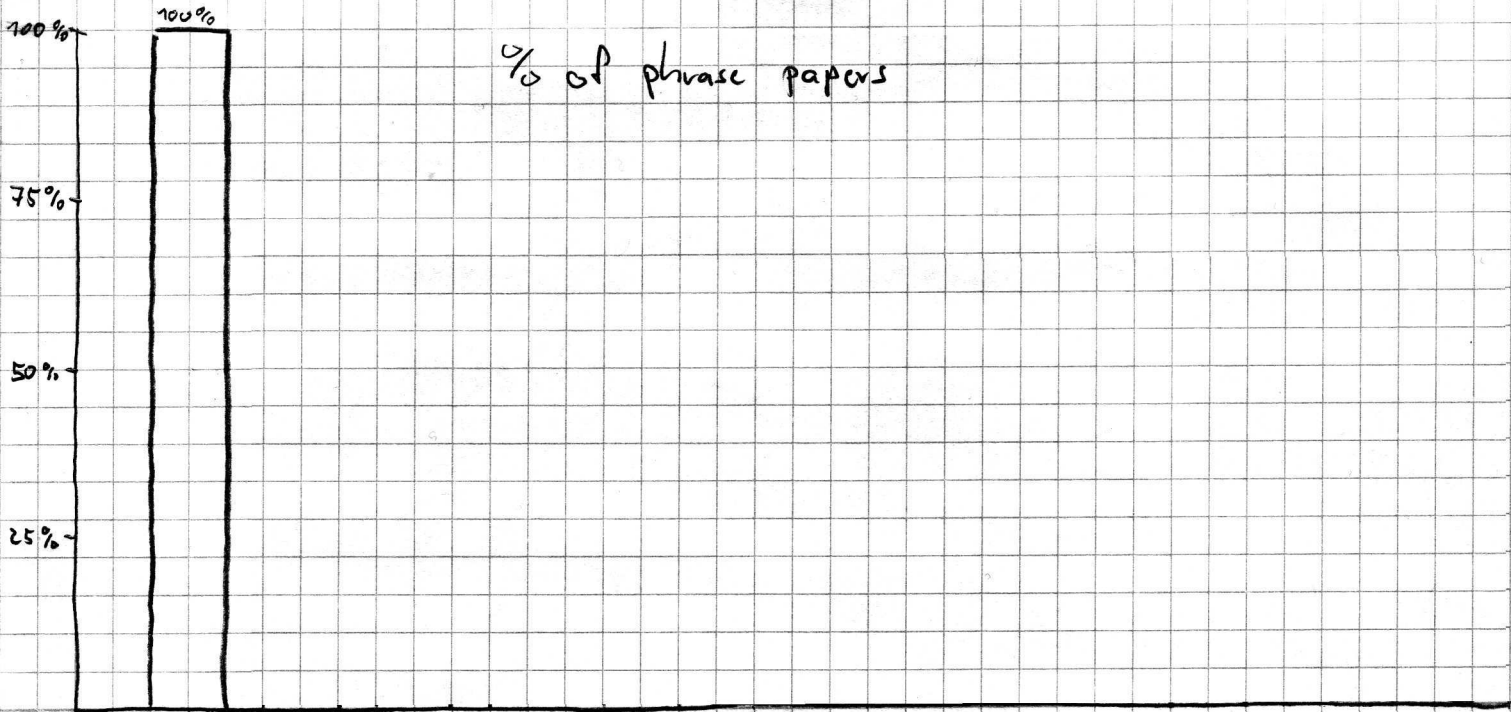


% of phrase papers



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Country



% of phrase papers

China



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Country

% of phrase papers

100%
75%
50%
25%

100%

77.8%

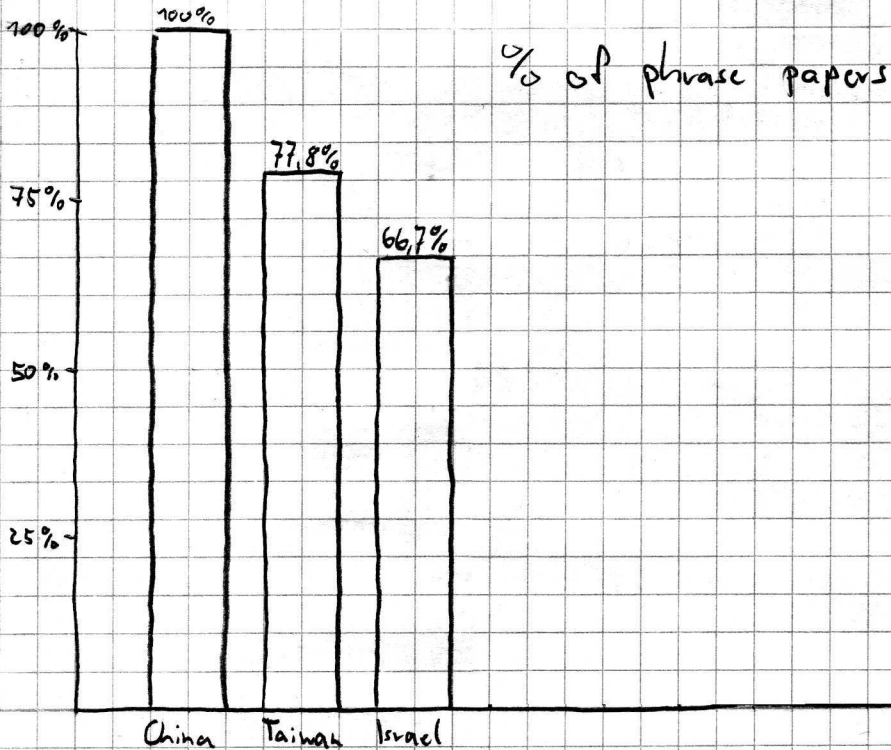
China

Taiwan



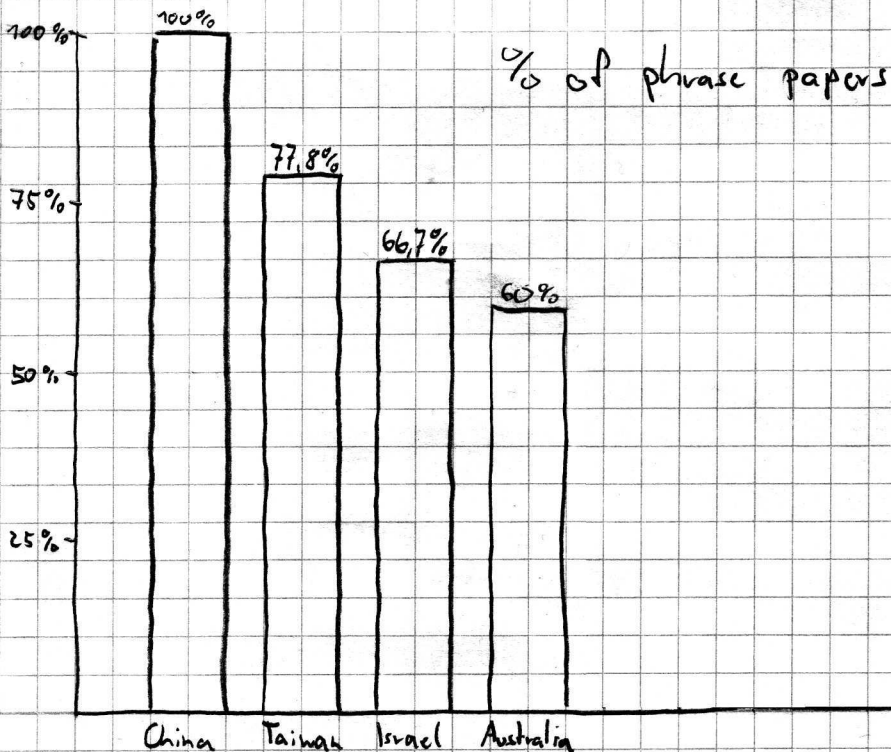


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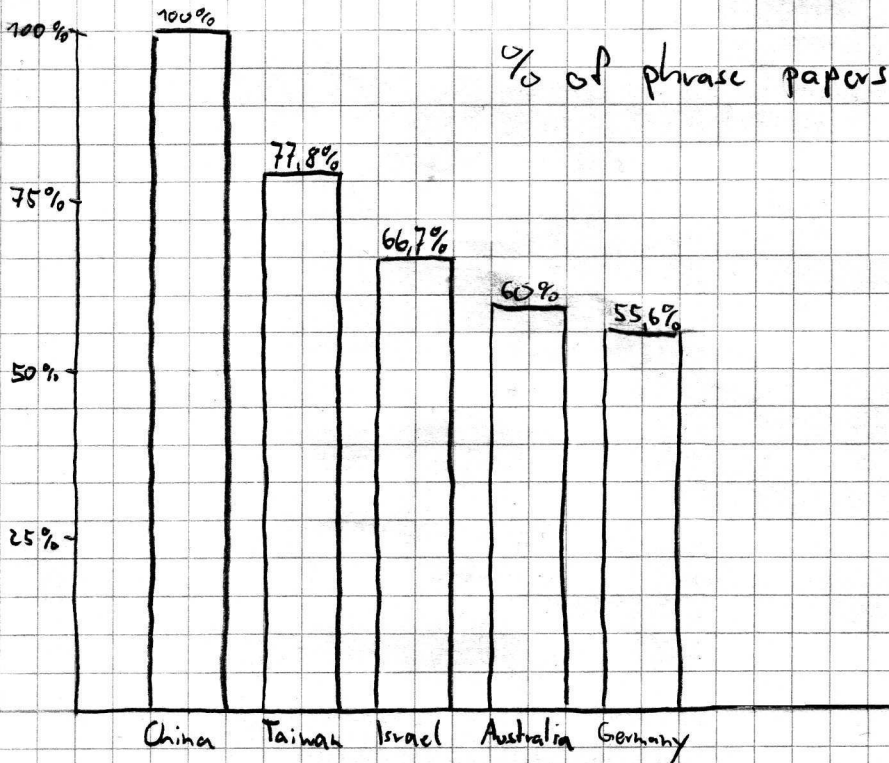


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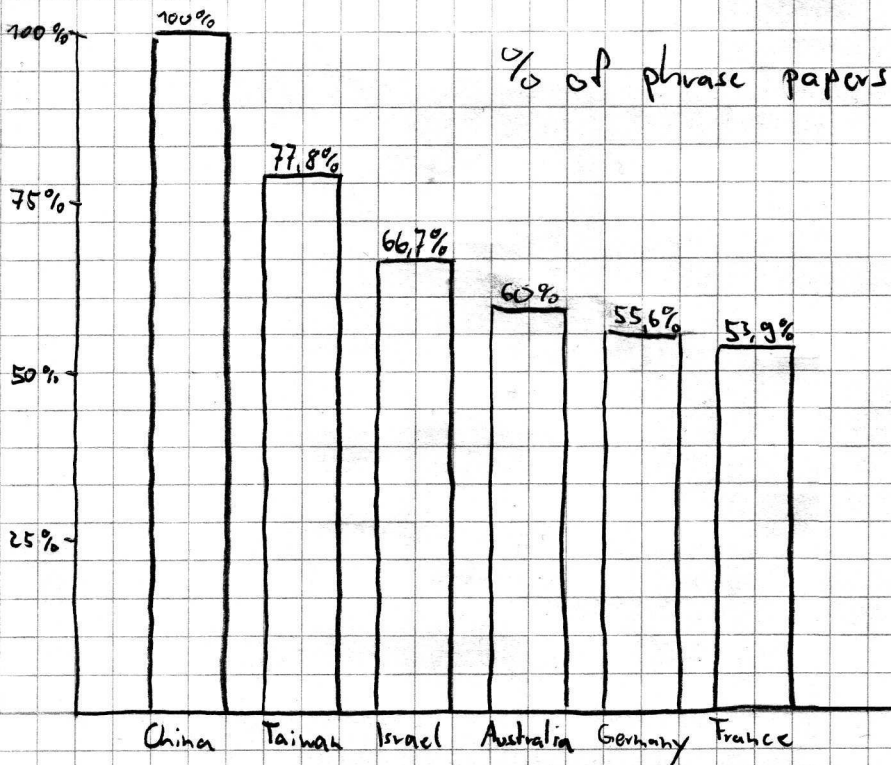


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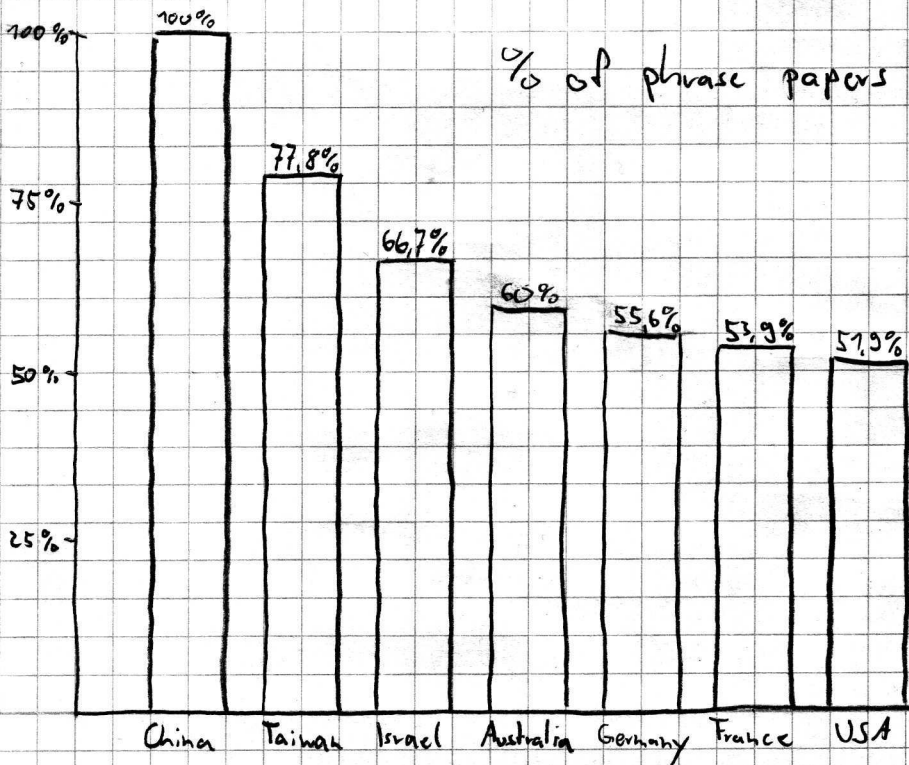


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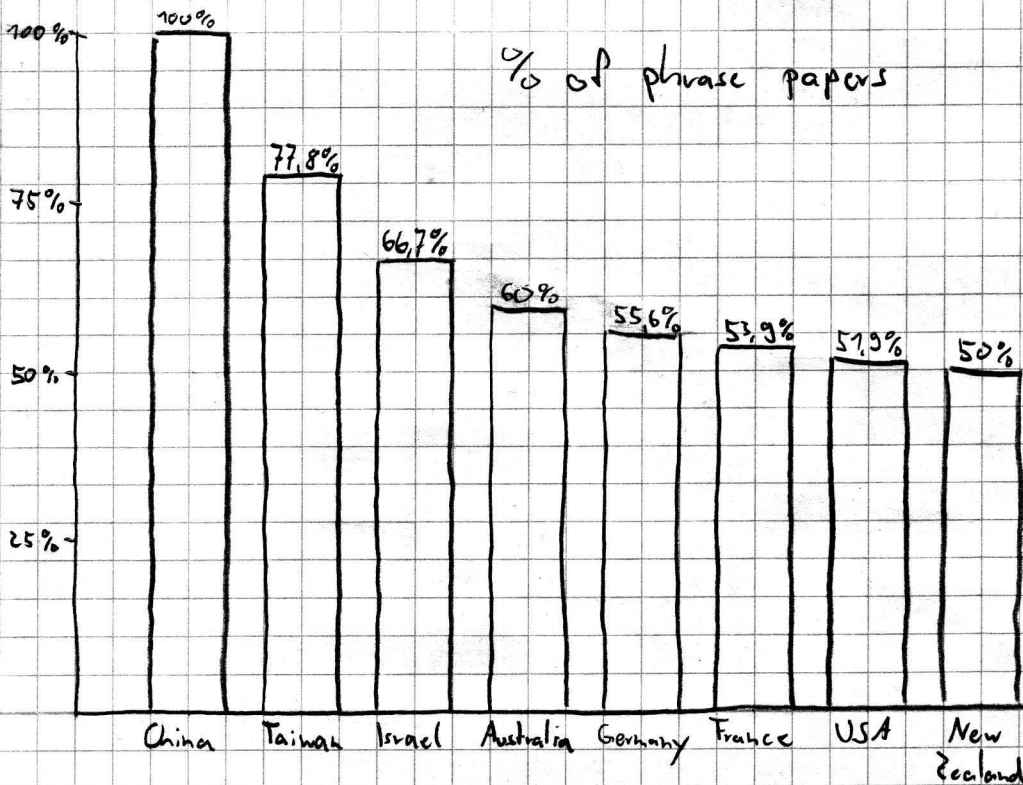


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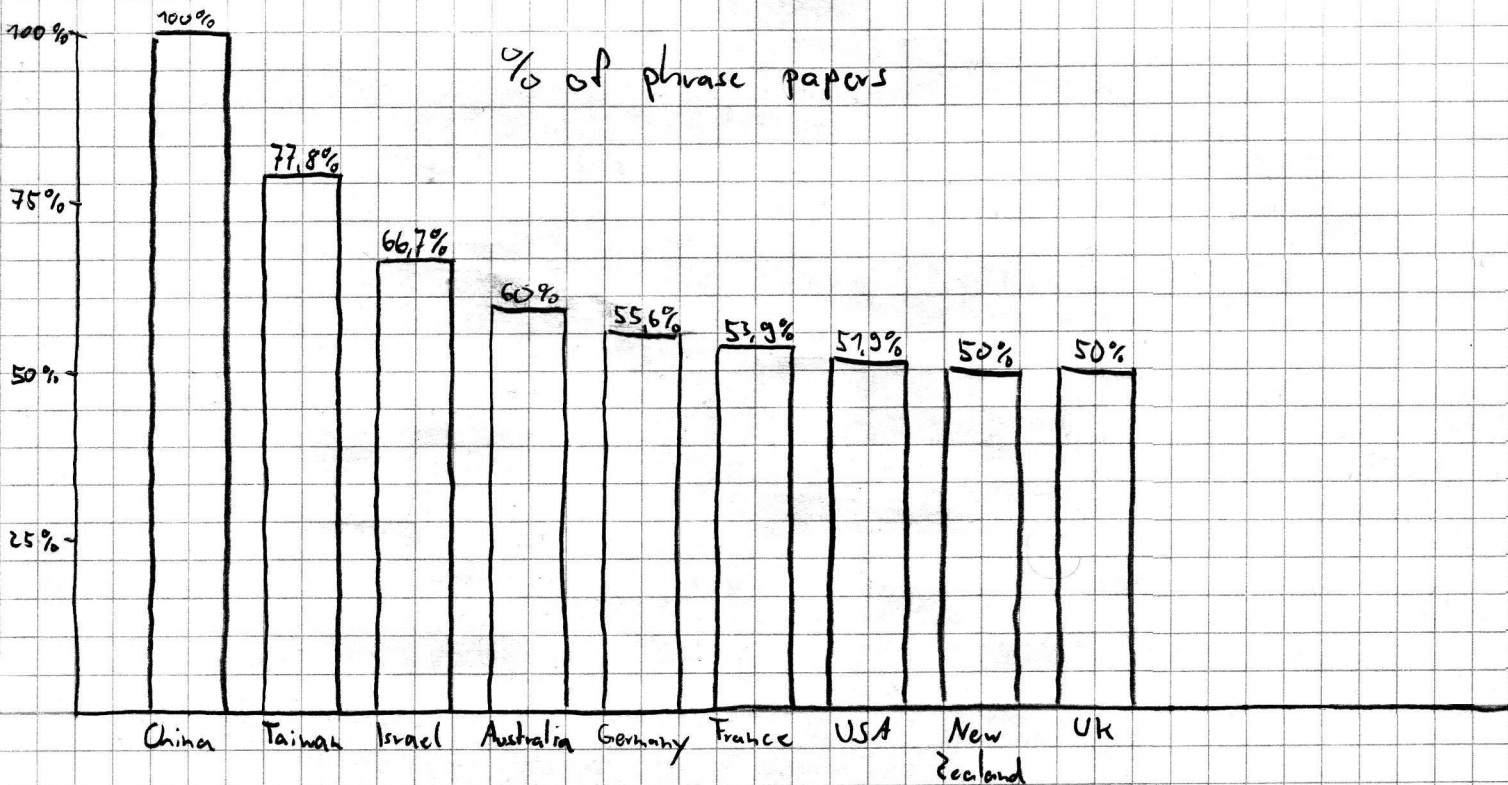


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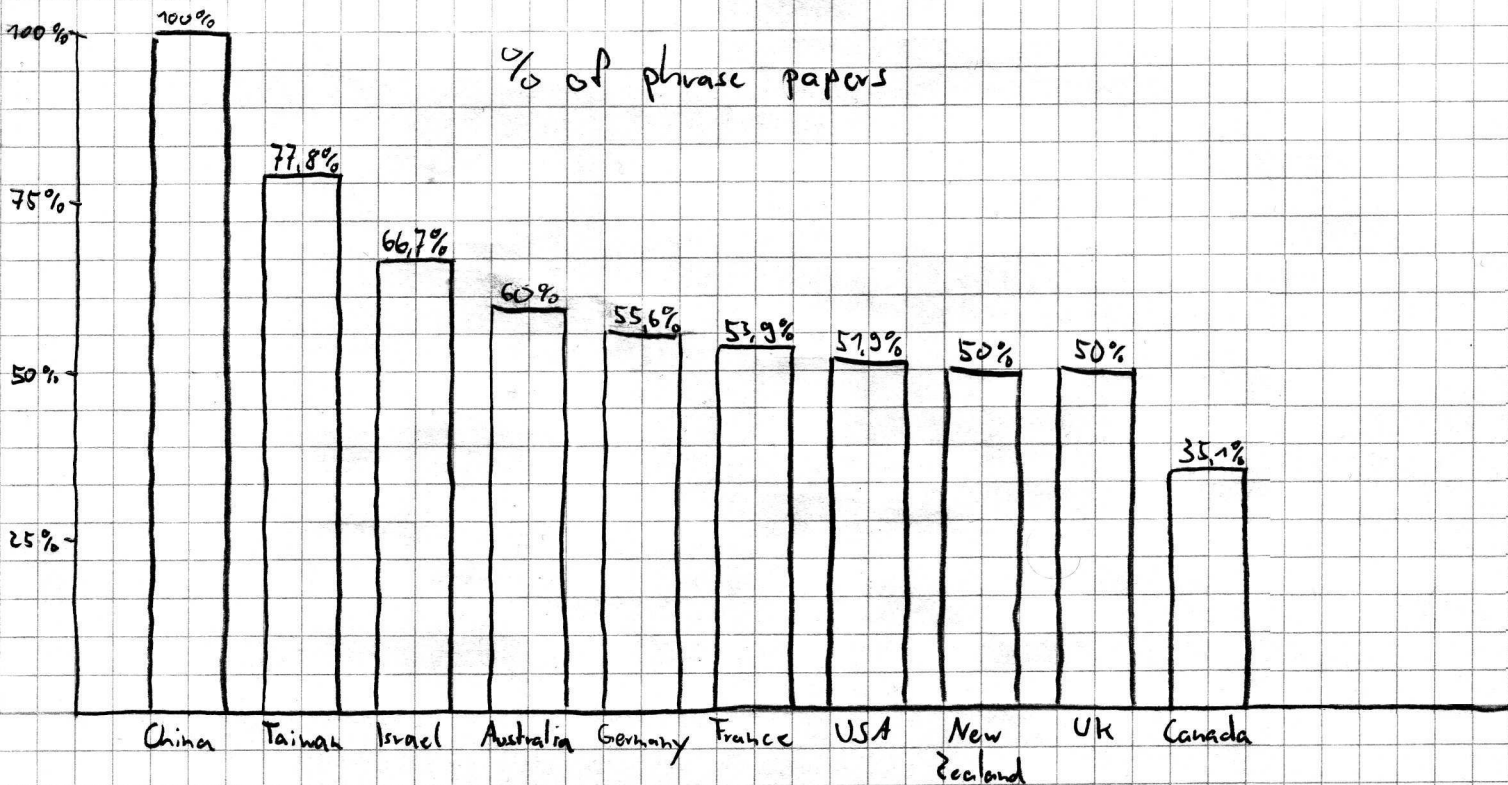


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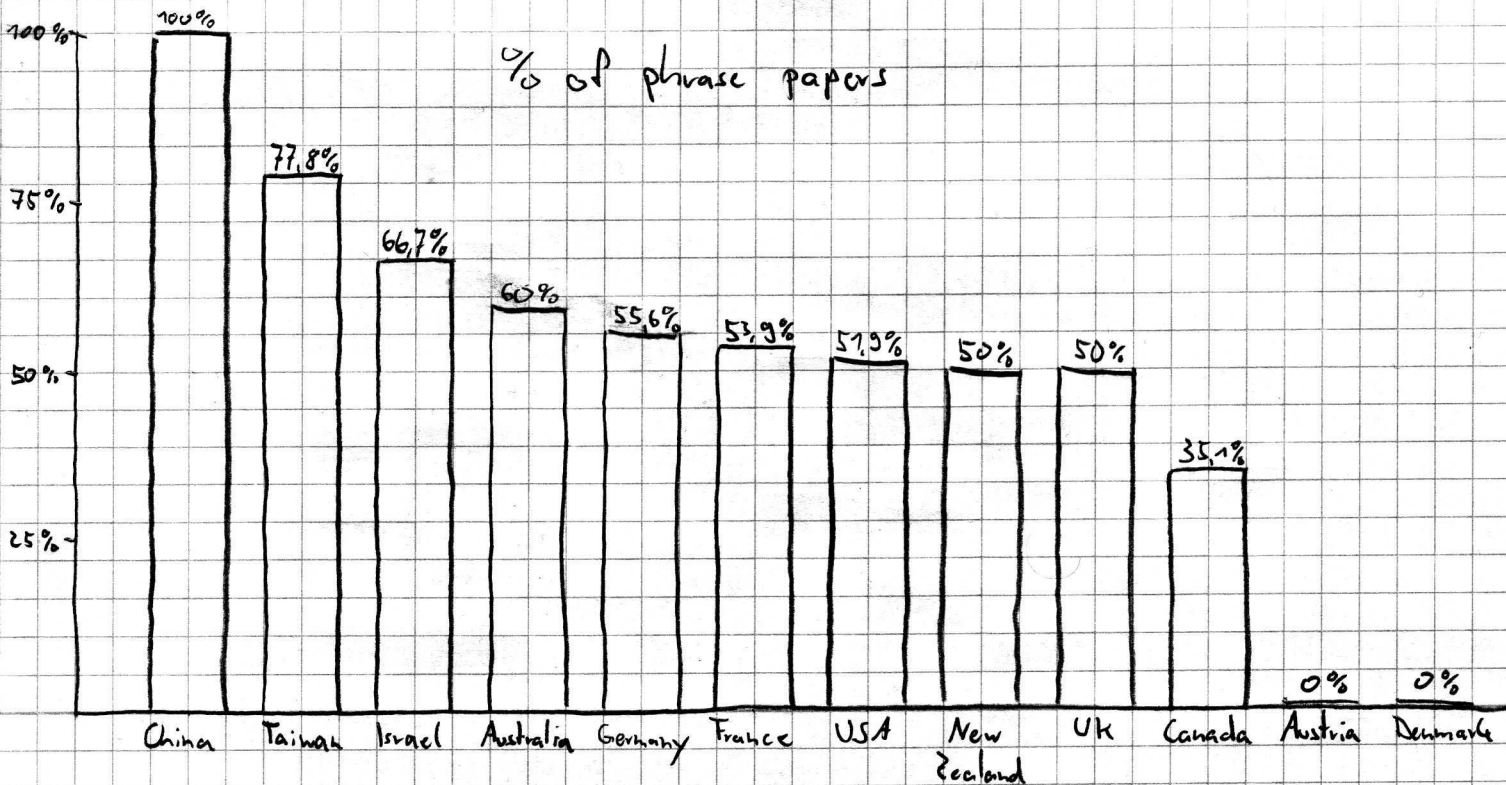


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Thank You ...

