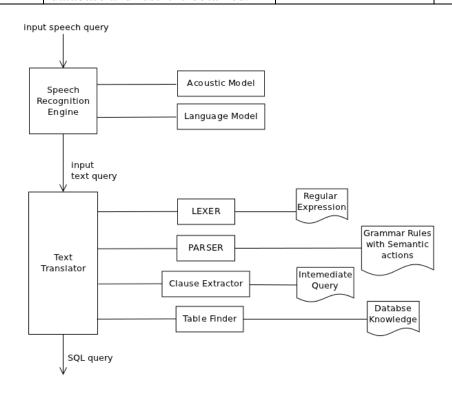
Kumar, Sachin, Ashish Kumar, Pinaki Mitra, and Girish Sundaram. "System and Methods for Converting Speech to SQL." *arXiv preprint arXiv:1308.3106*(2013).

Introduction	Methodology	Results &	Advantages &
System uses the knowledge of underlying database and generate lex file automatically which will be used while tokenizing the words involved in English text query and since lex file contains underlying database information like column	In first phase speech is converted into text, In second phase we analyse the text whether it is syntactically correct or not based on grammar rules for valid queries, In third phase text is mapped into an intermediate query using lexer, parser and syntax directed	Conclusions System has been checked for single tables and multiple tables and it gives correct result if the input query is syntactically consistent with the Syntactic Rules.	Disadvantages System is database independent i.e. it can be configured automatically for different databases. Area in which system can be improved is the grammar.
and table names so automatic generation of lex file helps in making the System database independent	In fourth phase we extract the SELECT clause and WHERE clause from the intermediate query,		
	In fifth phase we find all the required tables to form the FROM clause and thus SQL query is formed, In sixth phase		
	formulated SQL query is fired to database and result is obtained.		



Salma Jamoussi, Kamel Smali, Jean-Paul Haton. From speech to SQL queries: a speech understanding system. *The twentieth national Conference on Artificial Intelligence workshop on spoken language understanding*, 2005, Pittsburg, United States.

Introduction	Methodology	Results &	Advantages &
		Conclusions	Disadvantages
The statistical approach which constitutes the most used method for resolving the speech understanding problem.	For this, we use a Bayesian network for unsupervised classification, called Auto Class and we expose three methods for the vector representation of words, these representations aim to help the Bayesian network to build up efficient concepts We test this method on two applications data and we compare the Bayesian network performances with those obtained by the Kohonen maps and the K-means algorithm. Then, we will describe the last stage of our understanding pro cess, in which we label the user requests and we generate the associated SQL queries.	We use a speech recognition system to be able to treat sentences given in their signal forms. Two kinds of results are given in this paper. The first results are obtained when the system input is speech and The second ones concern the textual entry form.	The speech recognition system gives only a performance of 62%. When entry is text, the understanding performance reaches 92%. The understanding rate is 78-82% In future this model be able to add new words to the appropriate concepts within the exploitation step.

Blunschi, Lukas, Claudio Jossen, Donald Kossmann, Magdalini Mori, and Kurt Stockinger. "Soda: Generating sql for business users." *Proceedings of the VLDB Endowment* 5, no. 10 (2012): 932-943.

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Introduction	Methodology	Results &	Advantages &
		Conclusions	Disadvantages
Search over DAta	SODA addresses this	The key idea of SODA is	As part of our future
Warehouse enables a	need of business users by	to use a graph pattern	work we will evaluate
Google-like search	allowing them to pose	matching	the impacts of using
experience for data	queries in an intuitive,	algorithm to generate	DBpedia for matching
warehouses by taking	high-level language	SQL based on simple	keyword queries
keyword	based on keywords,	key words. Our	against various
queries of business users	operators and values.	experiments—with both	synonyms found in our
and automatically		synthetic data as well as	classification . Since the
generating executable	Then SODA translates	with a large data	use of DBpedia will
SQL. The key idea is to	these queries into	warehouse of a global	naturally
use a graph pattern	a set of alternative SQL	player in the financial	increase the number of
matching algorithm that	queries, ranks those	services industry—	possible query results—
uses the metadata model	queries, and (partially)	show that the generated	the query complexity.
of the data warehouse.	executes the Top 10 in	queries have high	Furthermore,
	order to generate result	precision and recall	the current GUI of
	snippets (up to twenty	compared	SODA could be
	tuples) for each of these	to the manually written	extended in several ways
	queries. Just as in a Web	gold standard queries	to engage
	search		the user in selecting and
	with Google or Bing, the		ranking the different
	user has now the choice		results
	to select one of		
	those queries of the first		
	result page, ask for the		
	next set of candidate		
	queries (i.e., the next		
	result page), or refine the		
	original query.		