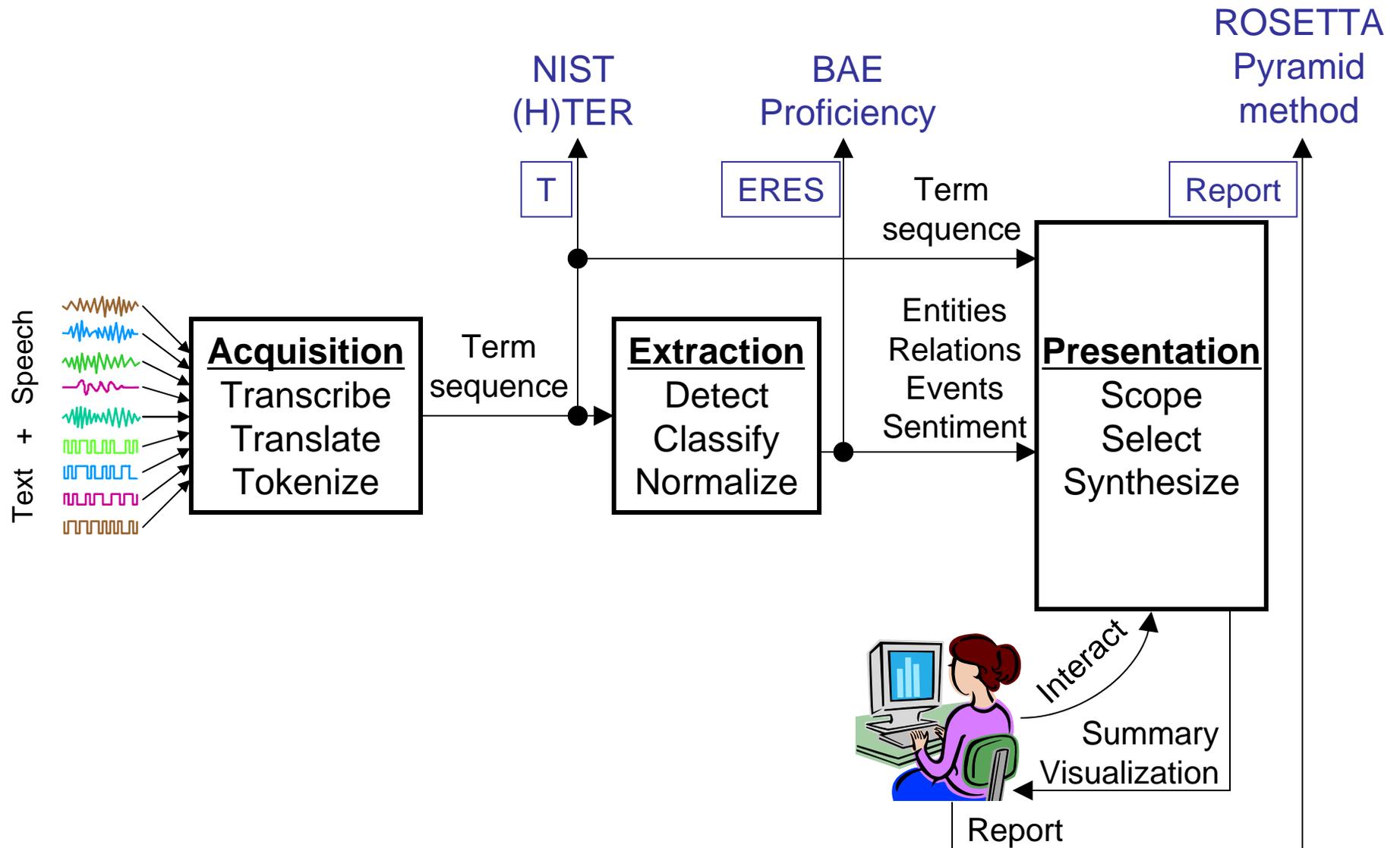


GALE User Studies

Pengyi Zhang

The Rosetta System



Search Input: felipe calderon Search Use as CAFE query

Sort by: rank | date | in ↓ order 32 results << 1 2 3 4 >>

Spelling alternatives: {felipe}: elite
Query Options: mediatype=(video) lang=(Arabic Chinese Spanish) date-range=(within last 365 days)

storyboard annotate play download it view stories



Summary: the leader I am speaking in quality of Christian Democratic president o could that the main stumbling block that has to release of this increase the presiden know what to do with the worst. ... The senators also warned that they will not Hurtado is a member of the board of the European Central Bank of Mexico Mexico. ...
Title: NewsWithRojas | **Duration:** 120 secs

storyboard annotate play download it view stories



Summary: adopted Zalmi KHALIL increased the American ambassador in Iraq inclu in ... Al Ahmed also confirmed that President Abbas was taking actions and decisio Mexican President Felipe Calderon the constitutional oath before Congress mandat presidency Calderon accused to hold elections However this chaos did not prevent Web site George W. Bush ...
Title: News | **Duration:** 120 secs

storyboard annotate play download it view stories



Summary: The president of the Republic Felipe Calderon Hinojosa put in marchaincrementar the budget. ... The announcement was made when inaugurating a water treatment plant in the state of michoacan. with the salaries of the high command to the Supreme Court. Another policeman

GLVSN NewsWithRojas 2007/02/28 00:32:00 GMT

The senators also warned that they will not ratify the appointment of President Felipe Calderon to Carlos Hurtado is a member

00:32:00 - 00:34:00

prev clip next clip play the entire show

Input a Name: Vicente Fox Legend: **reliable** probable

Biography for 'Vicente Fox':

Basic Information

NAME/Alias: **vicente_fox, fox, vincente_fox**
Citizenship: **mexico**
Occupations: **president, leader, prosecutor, special_prosecutor, spokesman, official, foreign_minister**

Life Events

Places been to: **presidential_residence**
Organizations associated with: **manager of national_action_party, manager of administration, manager of office, member of congress, manager of government, manager of fox, member of national_action_party, manager of national_action_party_(pan_), manager of cabinet**
COMMUNICATION Events: **vicente_fox on 'mexico', vicente_fox on 'united_states', vicente_fox on 'congress', vicente_fox on 'mexico_city_', vicente_fox on 'iraq', vicente_fox on 'u.s.', vicente_fox on 'mexico_city', vicente_fox on 'united_nations', vicente_fox on 'mexico_city_' in wednesday, vicente_fox on 'latin_america', vicente_fox on 'santiago_creel', vicente_fox on 'nafta', vicente_fox on 'mexico' in monday, vicente_fox on 'mexico_city' in tuesday, vicente_fox on 'fox' in wednesday, vicente_fox on 'world_trade_organization', vicente_fox say, vicente_fox on 'ap', vicente_fox on 'ap' in wednesday, vicente_fox say in monday**

Log: 2007/03/03 01:21:22.187 - We got 58 sentences.

Input a Name: Vicente Fox Get Biography Start Over Legend: reliable probable

COMMUNICATION Events: vicente_fox on 'mexico', vicente_fox on 'united_states', vicente_fox on 'congress', vicente_fox on 'mexico_city_', vicente_fox on 'iraq', vicente_fox on 'u.s.', vicente_fox on 'mexico_city', vicente_fox on 'united_nations', vicente_fox on 'mexico_city_' in wednesday, vicente_fox on 'latin_america', vicente_fox on 'santiago_creel', vicente_fox on 'nafta', vicente_fox on 'mexico' in monday, vicente_fox on 'mexico_city' in tuesday, vicente_fox on 'fox' in wednesday, vicente_fox on 'world_trade_organization',

Text Preferences X

Bookmark Annotate Citation Detach - Prev Result Next Result 1

Provider: Associated Press Date: 2003-09-10 GMT Lang: English

Keywords:

CANCUN , Mexico (AP)_ Mexico and Uruguay concluded negotiations on a free trade agreement , announcing Wednesday that they were sending the accord to their respective congresses for approval .

Speaking on the sidelines of the World Trade Organization meeting here , Mexican President Vicente Fox said he was confident the agreement would soon be signed .

`` Together , we must strengthen the positions of our nations in the global economy to generate new and more solid opportunities for the progress and prosperity of our people , " Fox said .

The accord is the latest of hundreds of regional free trade agreements around the globe .

Main focus: Person Organization Location Event Country [Previous Results](#)

- Provide information on Organization
- Find all statements made by or attributed to Person
- Find statements made by or attributed to Person on Topic(s)
- Describe the relationship of Person vincente fox to Person felipe calderon [extra options](#)

Looks for descriptions of the relation between, for example, [Ehud Barak] and [Ariel Sharon].
- Describe the relationship of Person to Organization
- Describe the relationship of Organization to Organization
- Describe the prosecution of Person for Crime
- How did Country react to Event
- Find acquaintances of Person
- Find people who are mutual acquaintances of Person and Person
- Identify persons arrested from Organization and give their name and role in organization
- Describe attacks in Location giving location (as specific as possible), date, and number of dead and injured

[Issue Query](#) - [Reset Options](#)

Main focus: Person Organization Location Event Country

6 snippets returned, total elapsed time 7 seconds.

Query=(Describe the relationship of [vincente fox] to [felipe calderon]) date-range=(from 1970/01/01 till 2007/01/01) Date type=(Source)

Provider: Associated Press Date: 2005/02/24 Lang: English full text

1. The congressional leader of President Vicente Fox's National Action Party said Thursday[20050224] he is formally seeking the presidency.

Provider: Associated Press Date: 2003/09/02 Lang: English full text

2. Fox's office announced that Energy Secretary Ernesto Martens was replaced by Felipe Calderon, a veteran activist in Fox's National Action Party who had been serving as the head of the government public works bank, Banobras.

4. MEXICO CITY (AP) _ President Vicente Fox replaced two Cabinet secretaries on Tuesday[20030902], a day after promising a harder-working government in the final half of his administration.

Provider: Xinhua News Agency Date: 2003/09/02 Lang: English full text

3. The replacements came after Fox's acknowledgment Monday[20030901] in his state-of-the-union speech of a number of shortcomings in the cabinet.

5. Fox admitted on Monday[20030901], for the first time in his three years in office, that there were problems in the cabinet, a situation that had already been much criticized by the opposition and analysts.

Provider: Associated Press Date: 2005/03/06 Lang: English full text

6. United we have demonstrated that it is possible to reach a goal that was thought to be impossible," Fox said, referring to his ending 71 years of single-party rule in Mexico by topping the Institutional Revolutionary Party at the polls in 2000.

CAFE Query: felipe calderon Apply Update --- Reset Model Results received

Sort by: rank | date | in ↓ order **Pages:** << 1 2 3 >>

Options: hide passages you already rated hide passages removed by CAFE

1. **Provider:** GLVSN / NewsAdela **Date:** 2007-03-02 3:00:00 **Lang:** Spanish [full text](#) in my notes remove not new no feedback

the question . This is suffering , Felipe Calderon is the enemy at home , and that the worst , not know what to do with him . one thing , in the PRI now who ? , PAREDES , president of the PRI and I believe that US call to many of us that we have as any responsibility , to meet the that in these days been sending a house .

2. **Provider:** GLVSN / 1stNews **Date:** 2007-03-02 12:00:00 **Lang:** Spanish [full text](#) add to my notes remove not new no feedback

I also like cooking . Then the first half summary . not in the Felipe Calderon talk again call Mexico could live medicines and blankets . tornadoes and storms left 17 people dead in the southeastern United States .

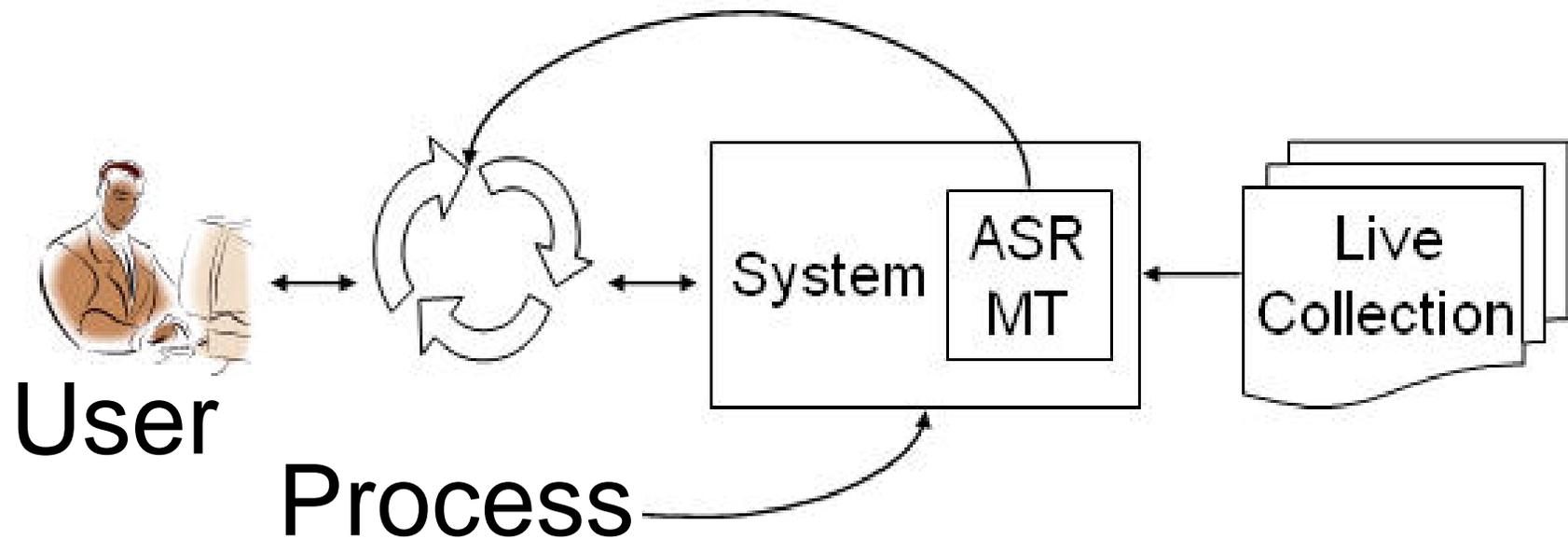
3. **Provider:** GLVSN / NewsAdela **Date:** 2007-03-02 3:00:00 **Lang:** Spanish [full text](#) add to my notes remove not new no feedback

included in the respect to the institutions , many people told us by what they are the first of September to Congress , the report of the then President Fox , ? by what they are the first of December the swearing in of Calderon , ? never hesitate to be there , we were dissatisfied , I believe that there were many irregularities in two of July 2006 , but these are the rules that we had , we had the right not to put at risk to this country , the governability of this country , to put between said the constitutionality . and that he said ABASCAL , that Felipe Calderon was the candidate idoneo , not better , what I think ?

4. **Provider:** GLVSN / NewsWithRojas **Date:** 2007-02-28 0:00:00 **Lang:** Spanish [full text](#) add to my notes remove not new no feedback

Log: 2007/03/03 01:33:16.781 - new CAFE response received.

24 Formative User Study Sessions

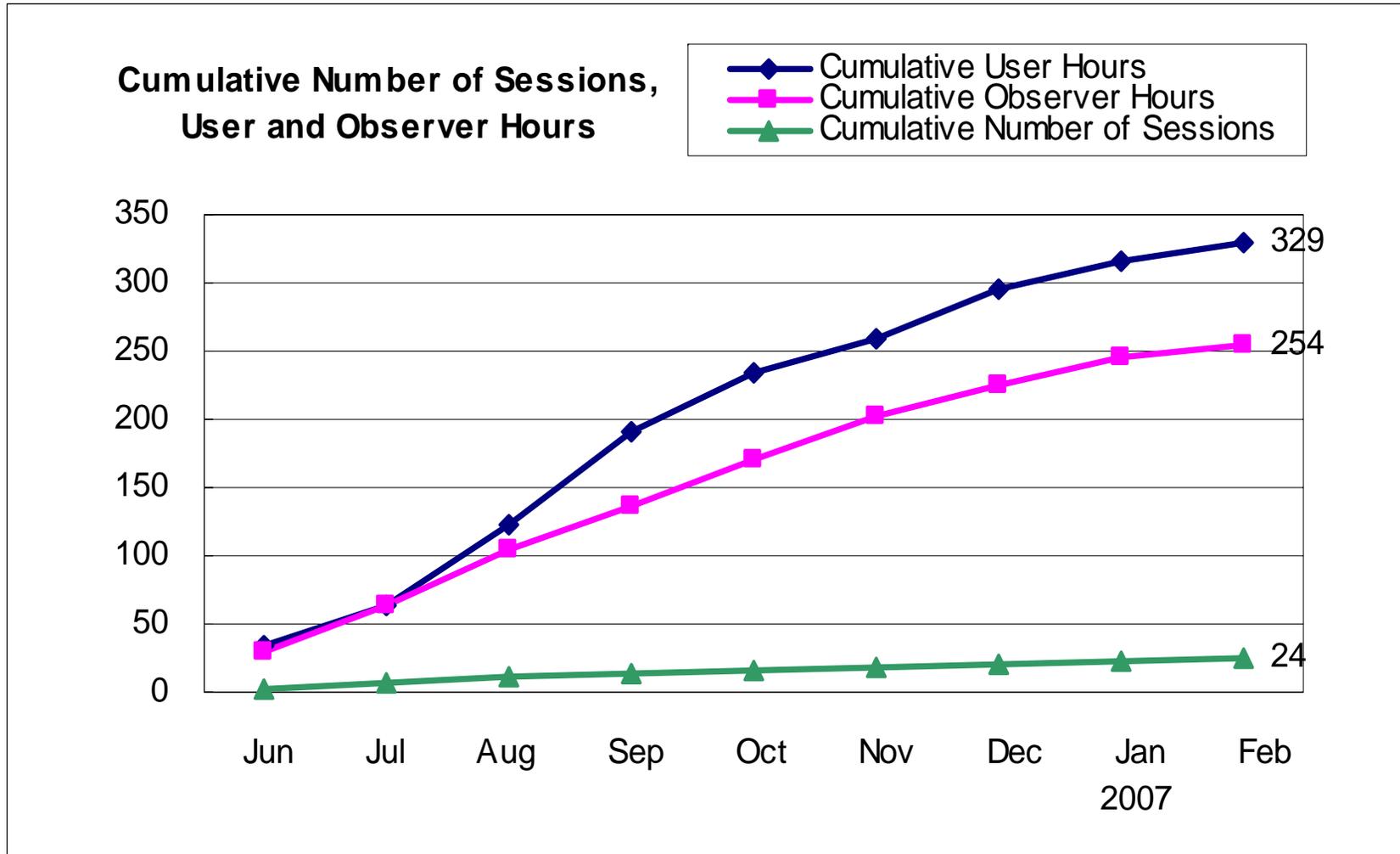


- 3-hour sessions
- 3 to 8 users per session
- 3 to 5 observers per session

Participants

- 12 users with required search skills
 - 9 information studies students
 - 2 practicing librarians
 - 1 history Ph.D. student (a domain expert)
- 6 observers
 - 1 information studies Ph.D. student
 - 4 information studies graduate students
 - 1 speech sciences graduate student

Timeline



Data from June 2, 2006 to February Evaluation (Feb 5-9), 2007

Controlled Variables

- Training
- Task design (individual, group)
- Scenario
- Collection
- System design

Scenario Development

- **Goal: realistic simulation**
- **Information needs**
 - From specific factual questions to broad analysis.
- **Output format**
 - Fact gathering
 - Compilation of biographical dossiers
 - Hypothesis testing
 - Comparison of the way an event was reported
 - Real-time decisions
- **Context**
 - Topical background information and situational context

A Sample Scenario

Task Scenario: Hezbollah (abridged version) Time: 60 min.

Foreign (U.S., Canadian, Australian, and European) citizens are evacuating Lebanon as a result of the recent armed conflict between Israel, Palestinian fighters, and Hezbollah [Hizbullah].

You are assisting with the extraction of US citizens. Compile sites of recent armed conflict (in the last month) in this area. Your supervisor will use these data to develop evacuation plans.

For each attack you find, place a number on the map and complete as much as you can of the following template:

Location:

Date:

Type of attack:

Number killed/wounded:

Include attacks in an areas not shown on the map. For multiple attacks, list each occurrence.

Collections

- Live newsfeeds (5 minute delay)
 - English, Chinese, Arabic, Spanish
 - Video, audio, text
- Frozen (from several years ago)
 - English, Chinese, Arabic
 - Newswire and transcribed audio
 - No replay, no images

Observables

- Search logs
- Search results
- Free-style reaction papers
- Observation notes (integrated w/log file)
- Interview notes
- Group discussion notes
- Survey answers

Findings – Facts, Point of View, Analyst Opinion

- Fairly accurate answers to factoid and simple opinion questions in a limited amount of time
 - Using multimedia features
 - Pulling multiple pieces of information together
 - Working with multiple questions at the same time
 - Relying on context information
 - Searching for more documents to resolve contradiction
- Difficulties with high-level opinion questions

Findings – ASR-MT Specific

- Users correct some translation problems through inference
- Higher-level information is obscured by jumbled sentences
- Users are eager to understand linguistic processes

Findings: Users Compensated for Degraded Language

Start broadly for Named Entities

- Example: Turkey v.s Dogubeyzait

Compensate for translation problems

- “Iran nuclear **file**” for “Iran nuclear **program**”

Findings – Relevance Feedback

- Reluctance to provide negative feedback
- Need to be exposed to the task-profiling process
- Need for flexibility on levels:
 - passage level and at document level

Strengths of our Studies

- User-centered
 - Improving system capabilities
 - Observing the process of system use
- Quick feedback
 - Feedback / Re-design cycle of two weeks
- Realistic simulation
 - Transferable methodologies

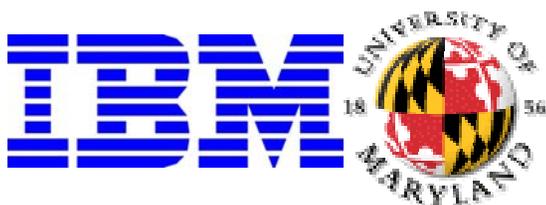
Limitations

- Accessibility of subjects
 - Requirements - formal training in search
 - Native English speaker
- Surrogate subjects
 - Different from intelligence analysts
- Small number of subjects
 - Difficult to conduct statistical analysis

The CLEF Cross-Language Speech Retrieval Test Collection

Douglas W. Oard

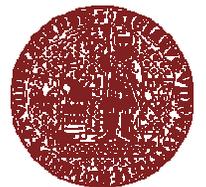
College of Information Studies and
Institute for Advanced Computer Studies
University of Maryland, College Park



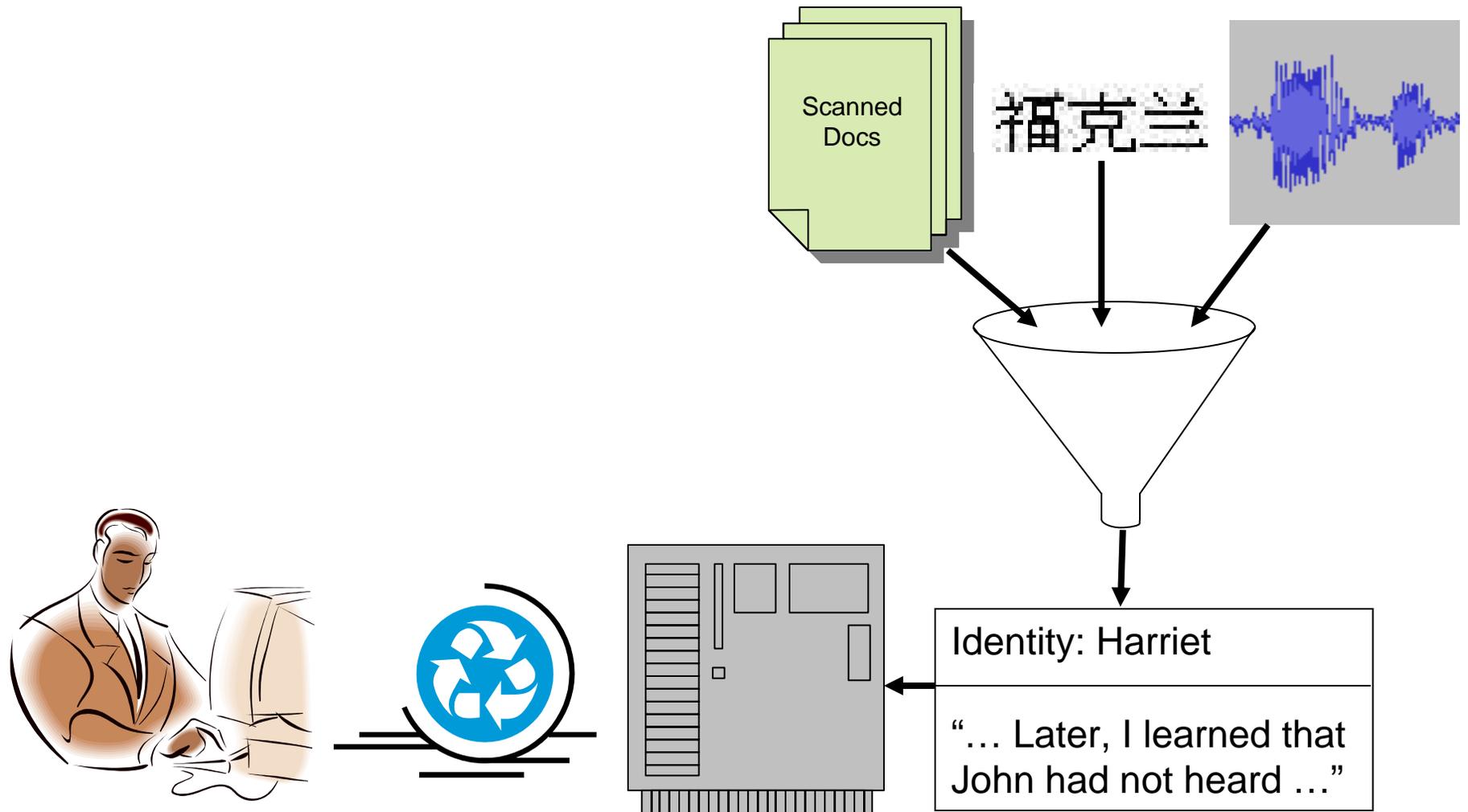
SURVIVORS OF THE
S T H O I A H
VISUAL HISTORY FOUNDATION.



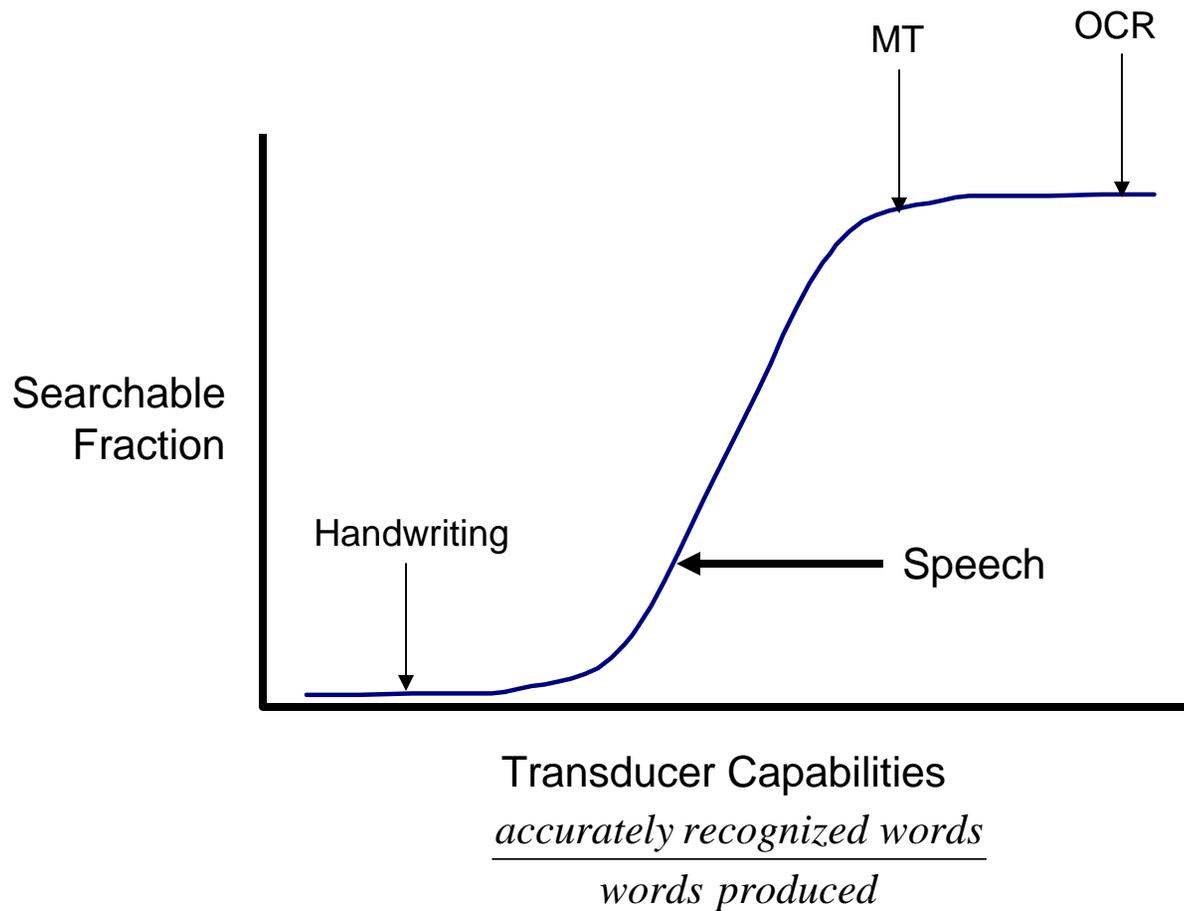
ZÁPADOČESKÁ
UNIVERZITA
V PLZNI



Expanding the Search Space



High Payoff Investments



Human History

Oral Tradition

Writing

Human Future

Writing and Speech

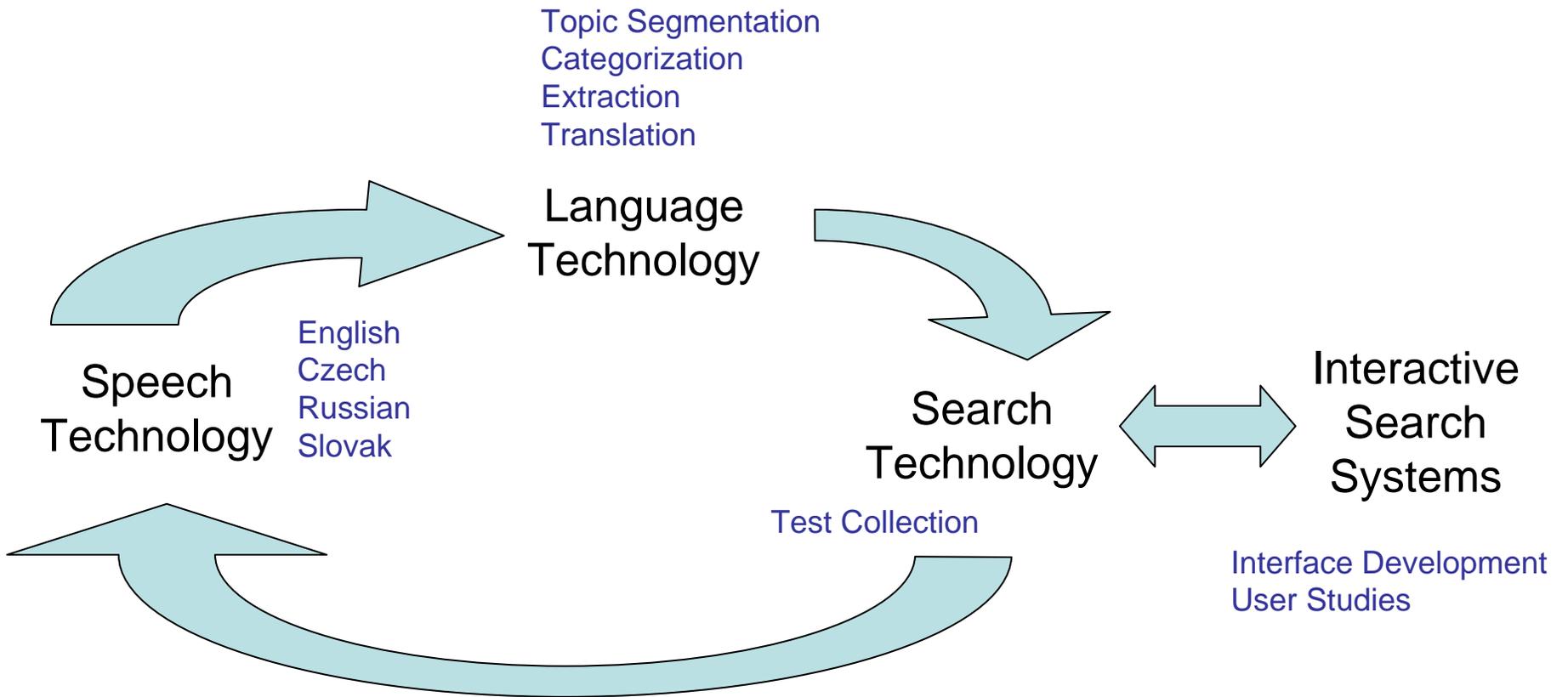
A Little Math

- Collectable spoken words ≈ 10 Tw/day
 - 1 billion users * 100 words/min * 200 min/day / 2
- Compressed speech ≈ 2 words/kiloByte
 - $(100/60 \text{ w/sec}) * (6.5 \text{ kb/sec} / 8 \text{ b/B})$
- Required storage ≈ 5 PetaBytes/day

A Little Math

- Collectable spoken words ≈ 10 Tw/day
 - 1 billion users * 100 words/min * 200 min/day / 2
- Compressed speech ≈ 2 words/kiloByte
 - $(100/60 \text{ w/sec}) * (6.5 \text{ kb/sec} / 8 \text{ b/B})$
- Required storage ≈ 5 PetaBytes/day
- Storage array sales > 5 PB/day
 - 457 PB in 2Q 2005 (increasing 59% per year)
- \$22/person/year (decreasing at 31%/year)

The MALACH Project



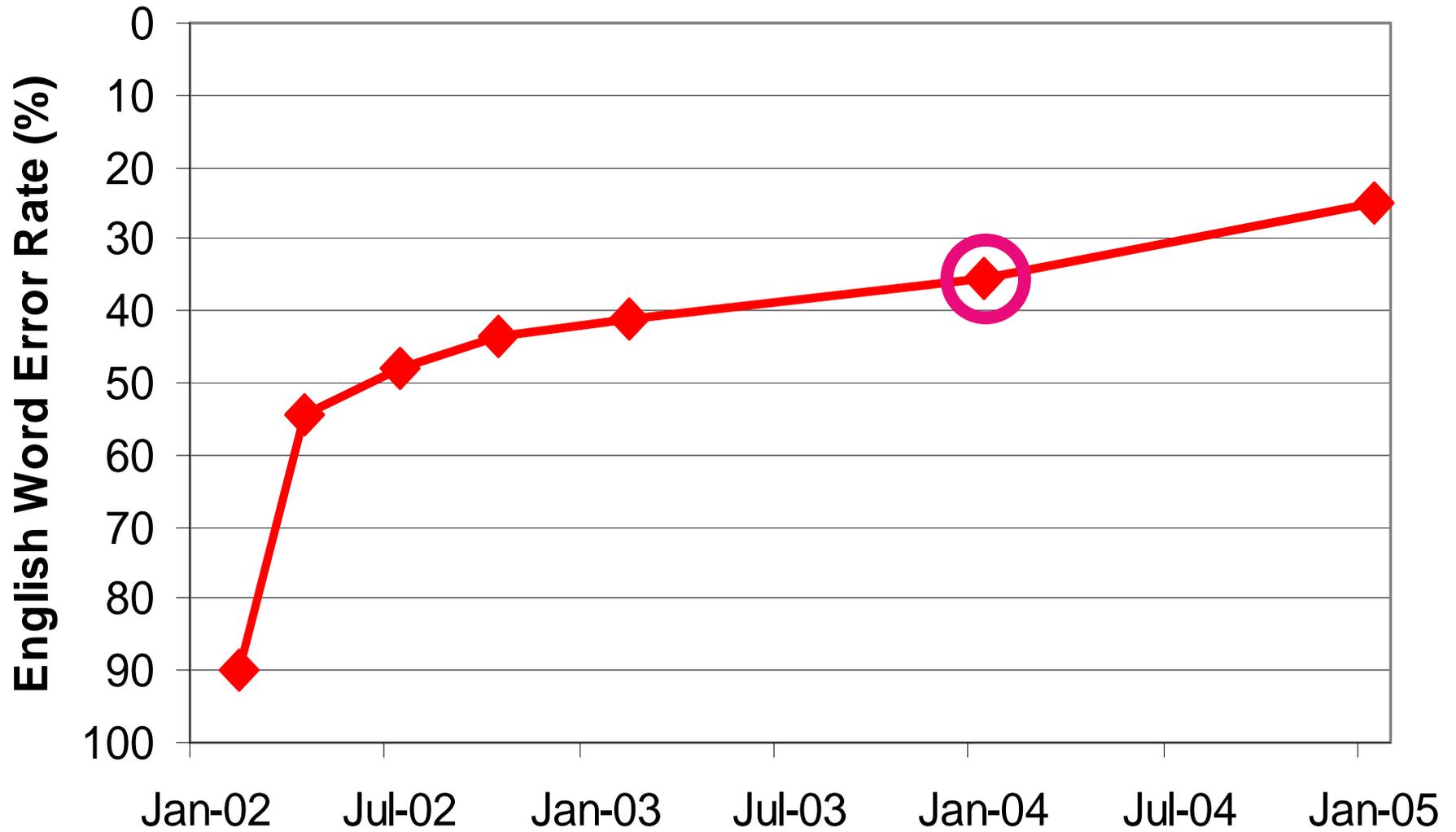
- Spontaneous conversational speech
- Digitized
- Large
 - 116,000 hours; 52,000 people; 32 languages
- Full-description segment indexing
 - 10,000 hours, ~150,000 topical segments
- Real users

Interview Excerpt



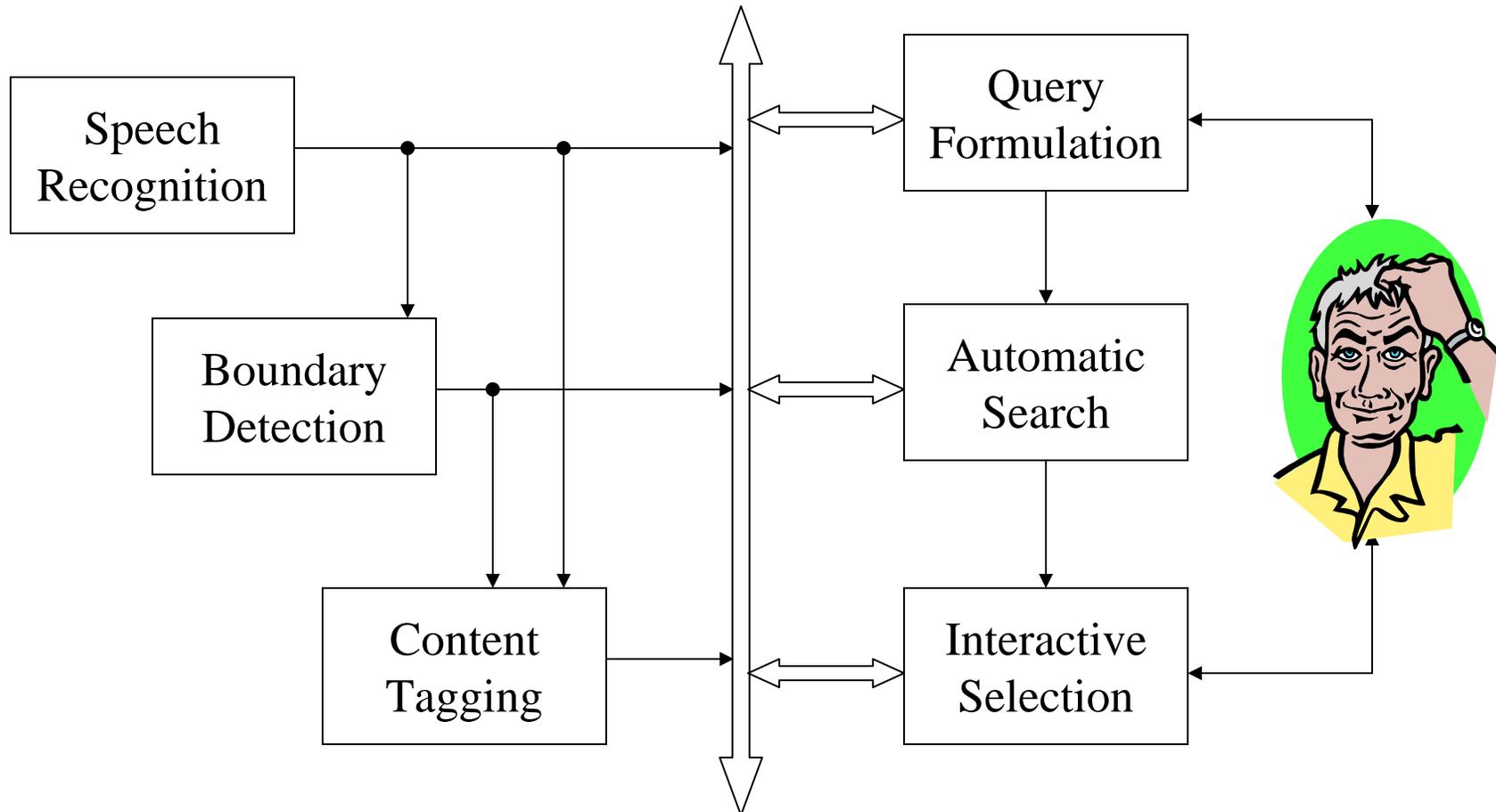
- Content characteristics
 - Domain-specific terms
 - Named entities
- Audio characteristics
 - Accented (this one is unusually clear)
 - Two channels (interviewer / interviewee)
- Dialog structure
 - Interviewers have different styles

English ASR

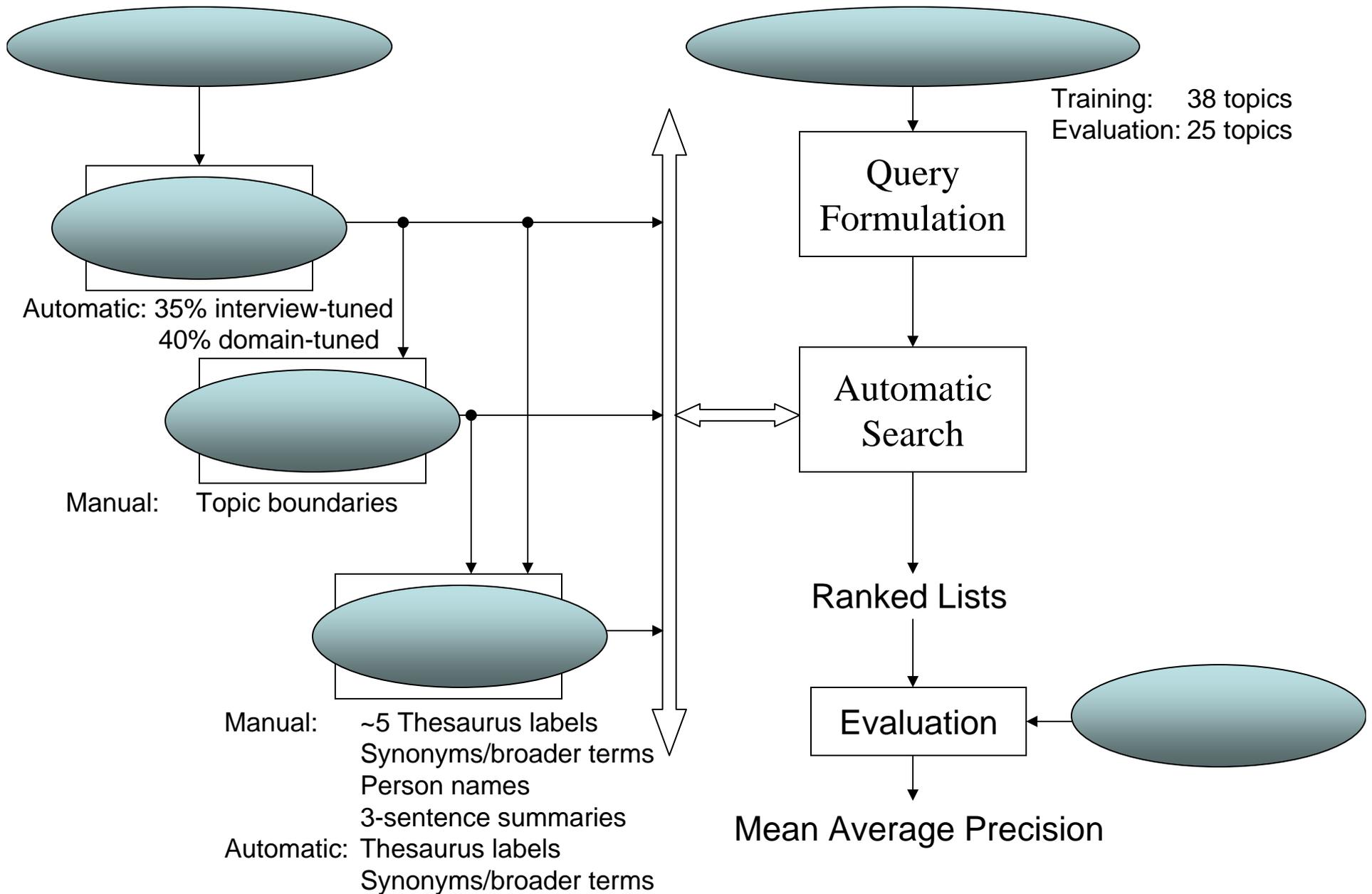


Training: 200 hours from 800 speakers

Test Collection Design



Test Collection Design



CLEF CL-SR Track

- 8,104 topically-coherent segments
 - From 297 English interviews
 - “Known boundary” condition (VHF Segments)
 - Average 503 words/segment (~ 4 minutes)
- 105 “topics” (information need statements)
 - Title / Description / Narrative
 - 38 training + 25 eval (2005) + 25 eval (2006) + 17
 - 5 topic languages (EN, SP, CZ, DE, FR)
- 48,881 Relevance judgments (9.6%) in 2005
 - Search-guided + post-hoc judgment pools
- Distributed by ELDA

<DOCNO>VHF22029-209918.033

<INTERVIEWDATA> Z... | 1922 | Esther Malke | Ettu | R... | R... | Ettuka

<SUMMARY>EZ speaks of her family's difficulty to adjusting to Montréal, Canada. Tells of her work in her husband's restaurant. EZ notes the birth of her son. Speaks of her first husband's profession.

<NAME>Yehuda Z..., Helen L..., Sandra B..., Allan Z..., Moishe S...

<MANUALKEYWORD> Montréal (Quebec, Canada) | family businesses | acculturation | working life | extended family members | Canada 1945 (May 8) - 2000 (January 1) | occupations, spouse's

<AUTOKEYWORD2004A1> extended family members | friends | working life | introduction of friends and/or family members | migration to the United States | migration from Germany | schools | Jewish-gentile relations | family businesses | family life | cultural and social activities | occupations, father's | aspirations for the future | emigration and immigration policies and procedures | aid: assistance in migration | means of adaptation and survival |

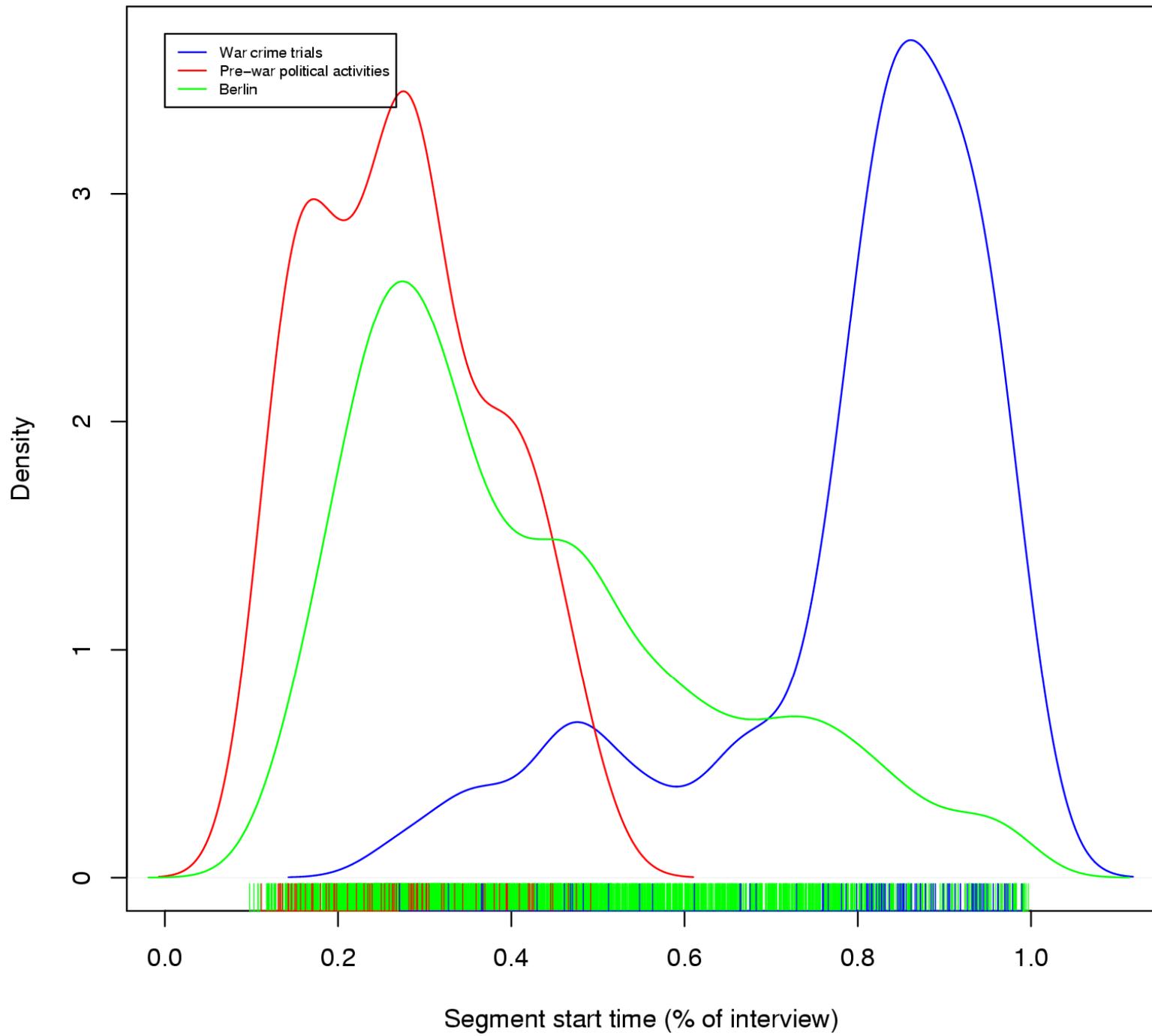
United States 1945 (May 8) - 1952 (December 31) | France 1918 (November 11) - 1939 (August 31) | Paris (France) | Poland 1944

<AUTOKEYWORD2004A2> extended family members | fate of loved ones | anti-Jewish measures

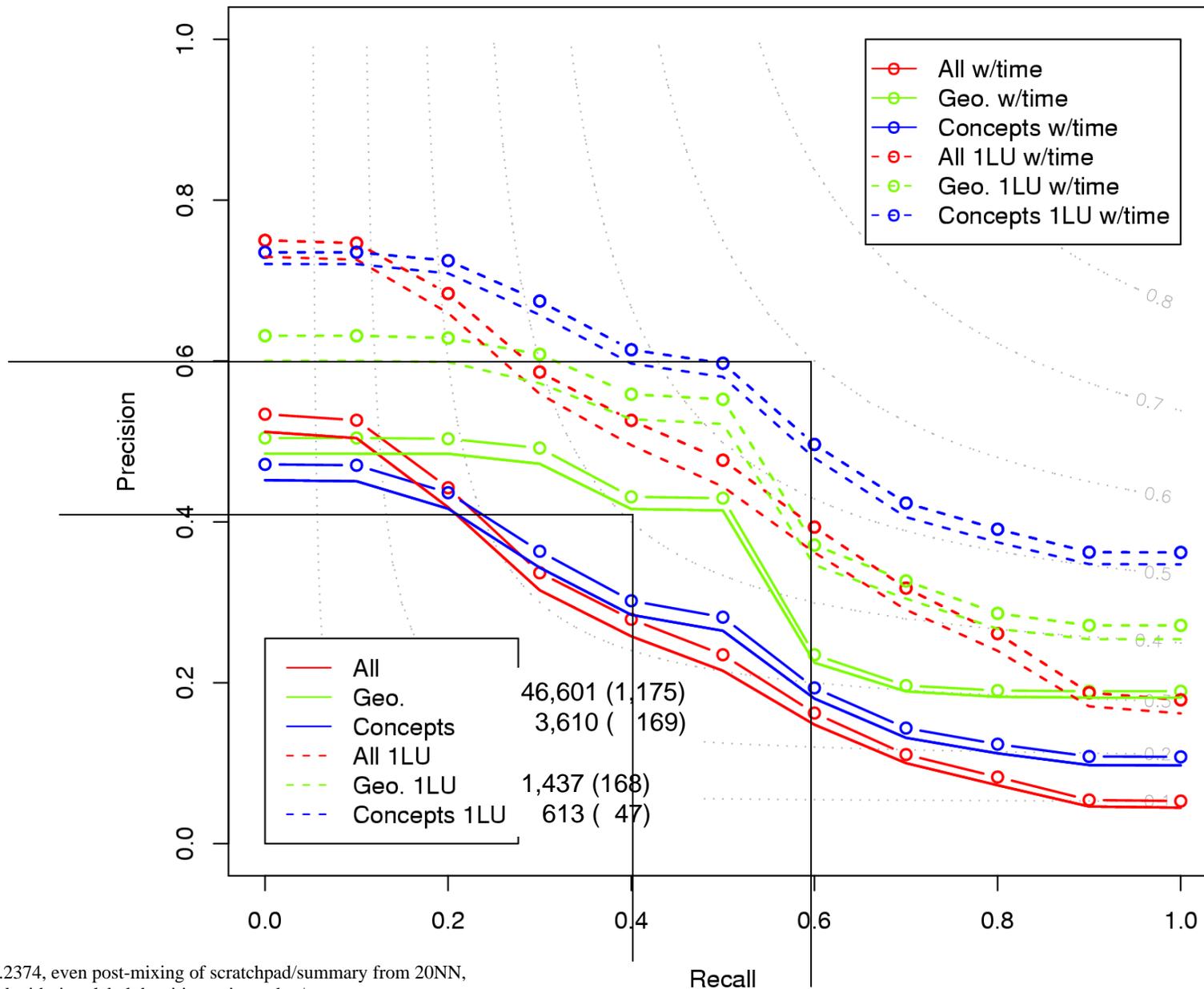
and legislation | Budapest (Hungary) | Poland 1939 (September 1) - 1945 (May 7) | aid: assistance in hiding and/or evasion | working life | seizure of property | United States 1945 (May 8) - present | living conditions | Poland 1941 (June 21) - 1944 (July 21) | hiding | New York (New York, USA) | Poland 1918 (November 11) - 1939 (August 31) | occupations, interviewee's | Berlin (Prussia, Germany) | aid: provision of shelter | China 1939 (September 1) - 1945 (September 1) | separation of loved ones | contact with loved ones, renewed

<ASRTEXT2004A>well here the first five years we were not happen we wanted to go back to israel my husband couldn't red cross that we opened a grocery and then we lost that a lot of money and then we had a cousin he said you know what that to make a living and best for me in a restaurant so you bastard and arrest and um and after two weeks because when they came smart about a sticky he didn't want to be there anymore so we didn't want to lose the two thousand dollar so we thought we going to sell it but the themselves so fast there was another jewish area on them near takes three percent province so to make a living my husband took me and to be cooked and we could make a living and i became pregnant with holland and my husband wanted to go to a um venezuela we made already passport and her sister from pennsylvania again there might be care of the group and he was a very angry at him we should come to pennsylvania and to settle we didn't want to go to a small town so he came back and when i was and i continued and the restaurant i myself i didn't want to let go and this time was the monthly a star they took away from him the building about the start clothes and discrete guy wanted to buy my arrested because he heard them expecting a baby and we made a lot of friends and we had the store because it was a jewish tired after i make a lot this and on nothing cash and she skate and i was very very good cook to people came to me trust the muscle and paid that double the price like somebody else and it and alan was for them discrete came in and he gave me six thousand dollars for the rest of two thousand intention four thousand dollars in notes in my name there was my first time that a canadian man and he liked us he invited us for parties on monday my husband and got a terrible terrible parkland and he wanted to start to build because uh you know this was a straight would he uh he he bark wood from the forest and sold it to the sea on our way to the trains so he knew measurements that we couldn't he wanted to build the when he told our neighbors time there that he wants to build we kissed them he said we want to be a part so he became part of for five years and my first time that we built a law that houses and that time of the trial one girl yeah yeah and then me that happy after the children that could i could children my husband was sick alone so i manic i was in the office i attempted he build always then we started to the small buildings like thirty units fifty units and my rent and then he uh

<ASRTEXT2003A>from here the first five years we were not have been wanted to go back to israel my husband couldn't red cross and we opened a grocery and then we must have a lot of money and then we had a cousin he said you know what have to make a living in that for me in a restaurant so you bastard and the rest of the um and after two weeks because when they came smart about a sticky he didn't want to be there anymore to we didn't want to lose the two thousand dollar so we thought we going to sell it but the themselves so fast there was a jewish area on them near creeks because some products so to make a living my husband took me into the cook cook it and he could make a living and i became pregnant with holland and my husband wanted to go to um venezuela we made already passport and her sister from pennsylvania again there might be the the group and he was a very angry at him he should come to pennsylvania and to settle they didn't want to go to a small town so he came back and when i was and i continued and the rest of it and i myself i didn't want to let go and this time was them on the us us they took away from him in the building a contest our clothes and this great guy wanted to buy my arrested because he heard them expecting a baby and we made a lot of friends and we had the store because it was a to we started to i make a lot this and run out and kishka and she skate and i was very very good cook to people came to me that the muscle and they did double the price like somebody else and a half an hour was for them discrete came in and he gave me six thousand dollars for the rest of two thousand intention four thousand dollars in notes in my neighbors was my first time that factory in man and he liked us he invited us for parties on mondav mv husband and not a terrible time in parkland and he wanted to start to build because they were of this was this trade would he uh he he bark wood from the



Classification accuracy

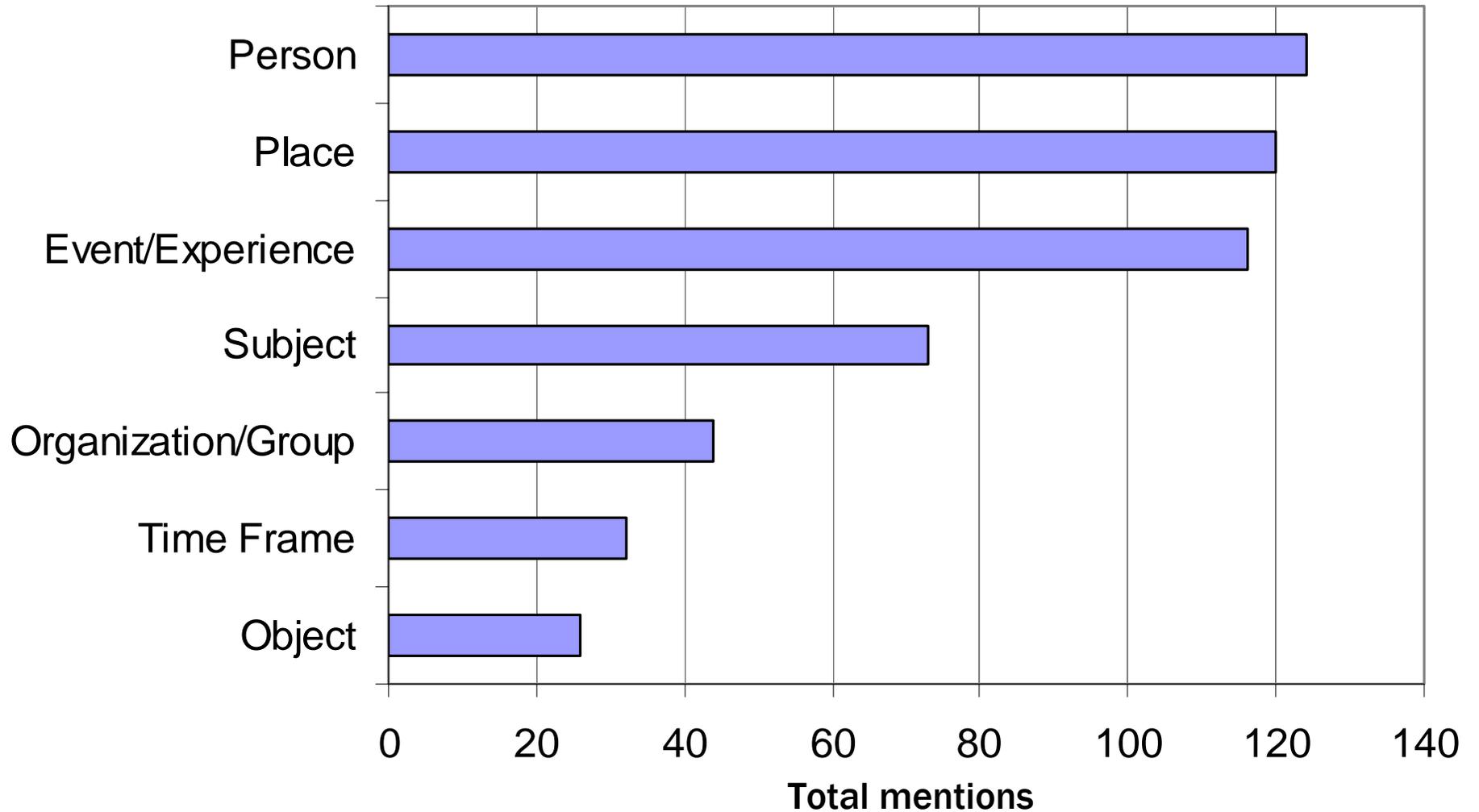


MAP: .2374, even post-mixing of scratchpad/summary from 20NN,
remixed with time-label densities estimated w/
Gaussian kernel at 5x def. bandwidth

Supplementary Resources

- Thesaurus (Included in the test collection)
 - ~3,000 core concepts
 - Plus alternate vocabulary + standard combinations
 - ~30,000 location-time pairs, with lat/long
 - Is-a, part-whole, “entry vocabulary”
- Digitized speech
 - .mp2 or .mp3
- In-domain expansion collection (MALACH)
 - 186,000 scratchpad + 3-sentence summaries

Scholars: Topic Types



6 Scholars, 1 teacher, 1 movie producer, working individually

An English Topic

Number: 1148

Title: Jewish resistance in Europe

Description:

Provide testimonies or describe actions of Jewish resistance in Europe before and during the war.

Narrative:

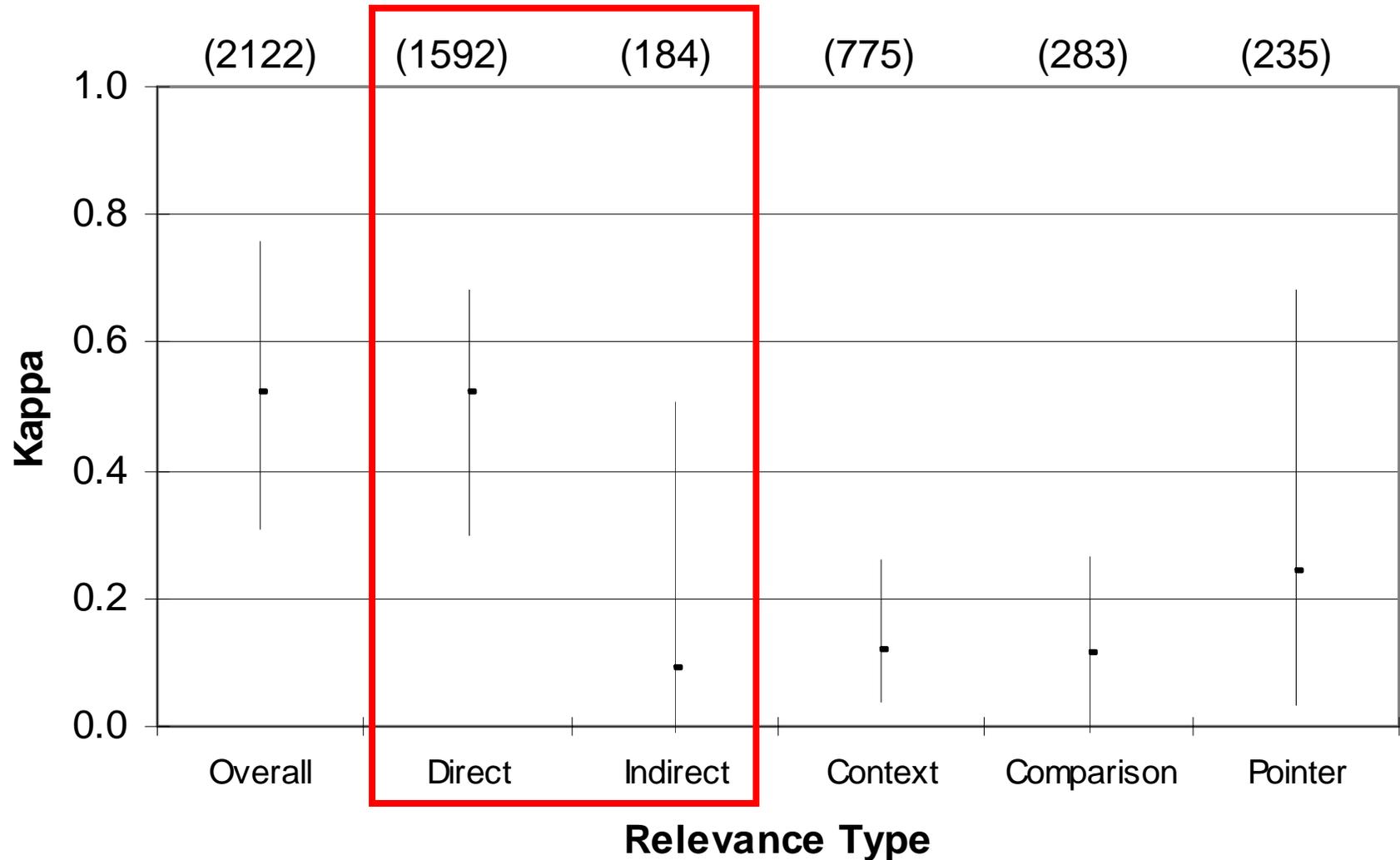
The relevant material should describe actions of only- or mostly Jewish resistance in Europe. Both individual and group-based actions are relevant. Type of actions may include survival (fleeing, hiding, saving children), testifying (alerting the outside world, writing, hiding testimonies), fighting (partisans, uprising, political security) Information about undifferentiated resistance groups is not relevant.

5-level Relevance Judgments

Binary qrels

- “Classic” relevance (to “food in Auschwitz”)
 - Direct Knew food was sometimes withheld
 - Indirect Saw undernourished people
- Additional relevance types
 - Context Intensity of manual labor
 - Comparison Food situation in a different camp
 - Pointer Mention of a study on the subject

Assessor Agreement



44% topic-averaged overlap for Direct+Indirect 2/3/4 judgments

14 topics, 4 assessors in 6 pairings, 1806 judgments

CLEF-2005 Participants

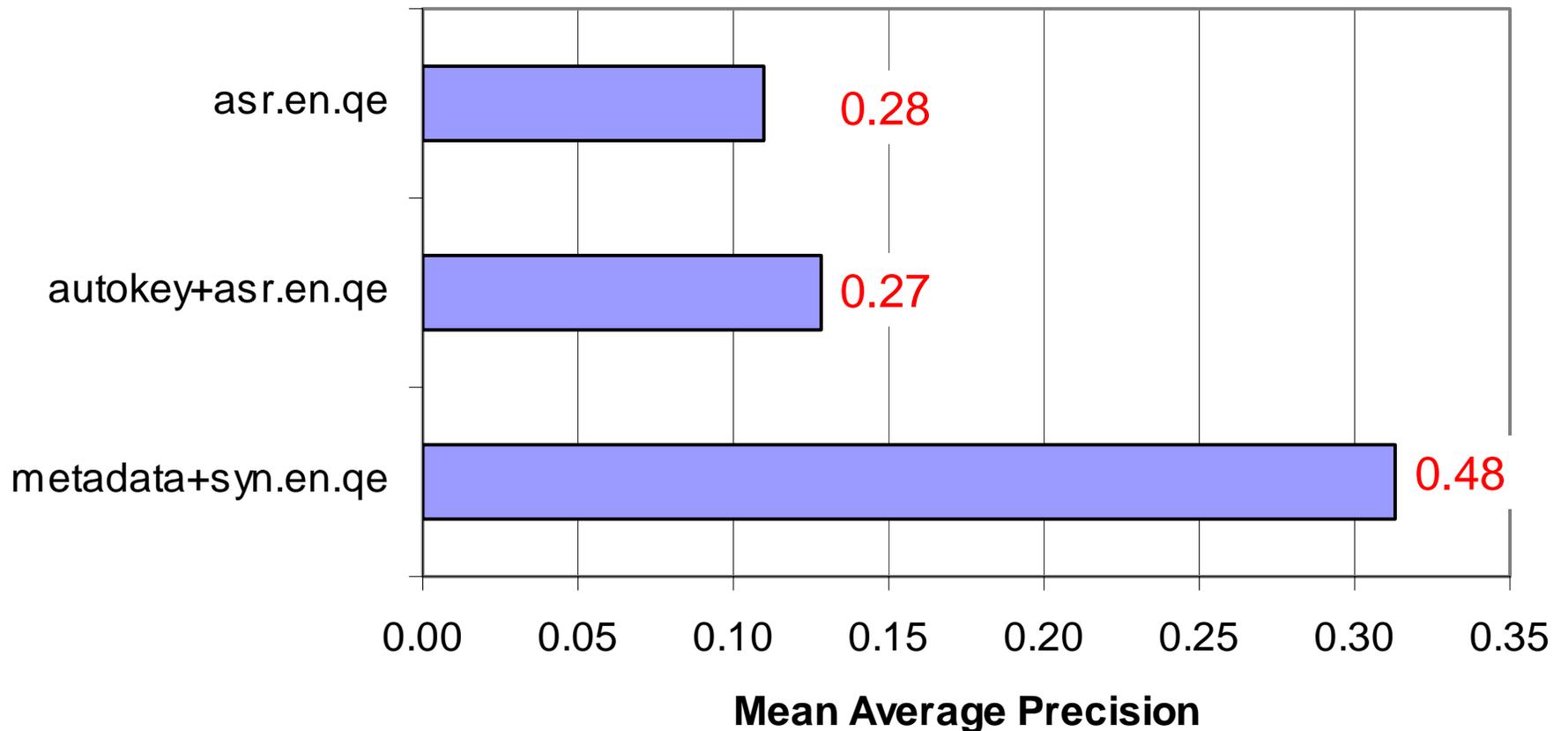
- 7 teams / 4 countries
 - Canada: Ottawa, Waterloo
 - USA: Maryland, Pittsburgh
 - Spain: Alicante, UNED
 - Ireland: Dublin City University
- 5 “official” runs per team (35 total)
 - Top-100 from 14 runs (2 per team) judged
 - Cross-site baseline: ASR / English TD topics

Cross-Language Search

Site (query/document)	MAP English	Δ MAP Czech	Δ MAP German	Δ MAP French	Δ MAP Spanish
Ottawa (TD/ASR04,AK1,AK2)	0.1653			+ 2%	
Ottawa (TDN/ASR04,AK1,AK2)	0.2176		- 41%		- 14%
Maryland (TD/NAMES,KW,SUM)	0.3129			- 21%	
Waterloo (T/ASR03,ASR04)	0.0980	- 52%		- 13%	
UNED (TD/ASR04)	0.0934				- 60%
DCU (T/ASR03,ASR04,AK1,AK2)	0.1429			+ 16%	

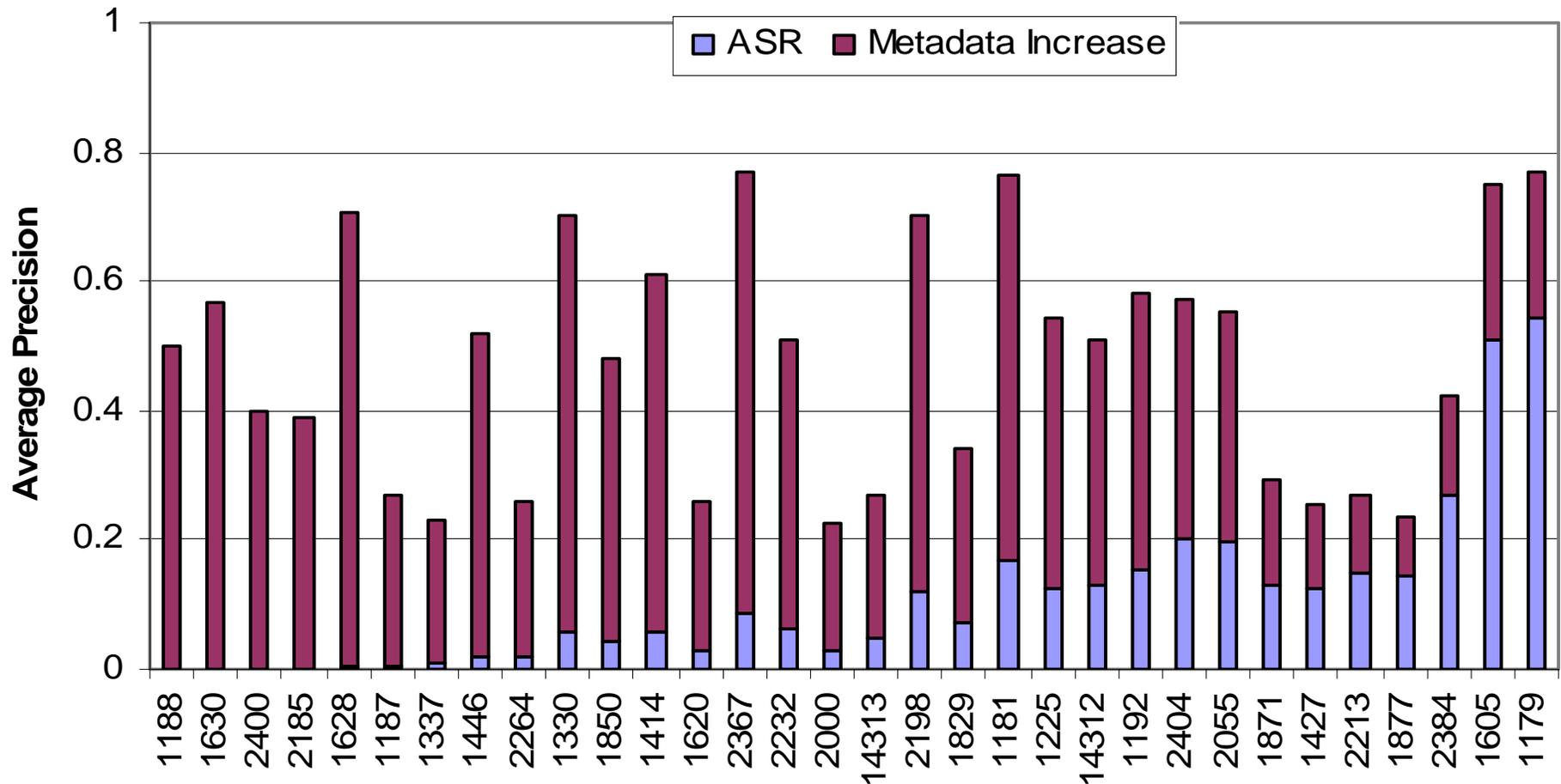
Maryland Results

Precision@10



25 evaluation topics, English TD queries

Comparing ASR with Metadata

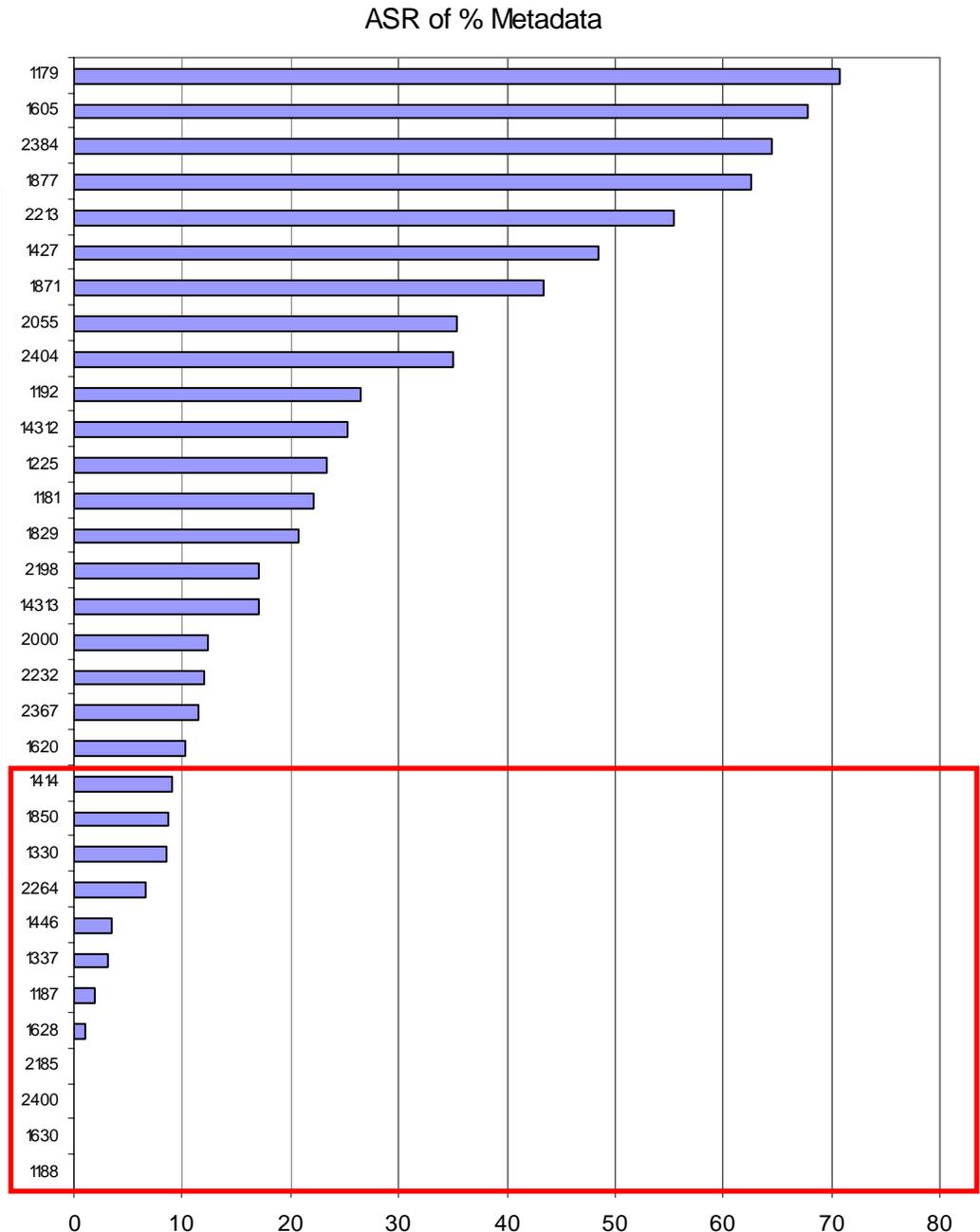
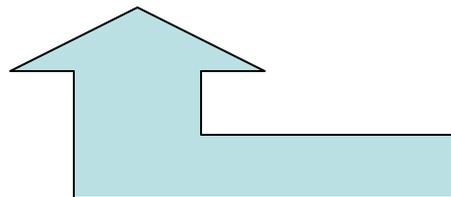


CLEF-2005 training + test – (metadata < 0.2), ASR2004A only, **Title queries**, Inquiry 3.1p1

Error Analysis

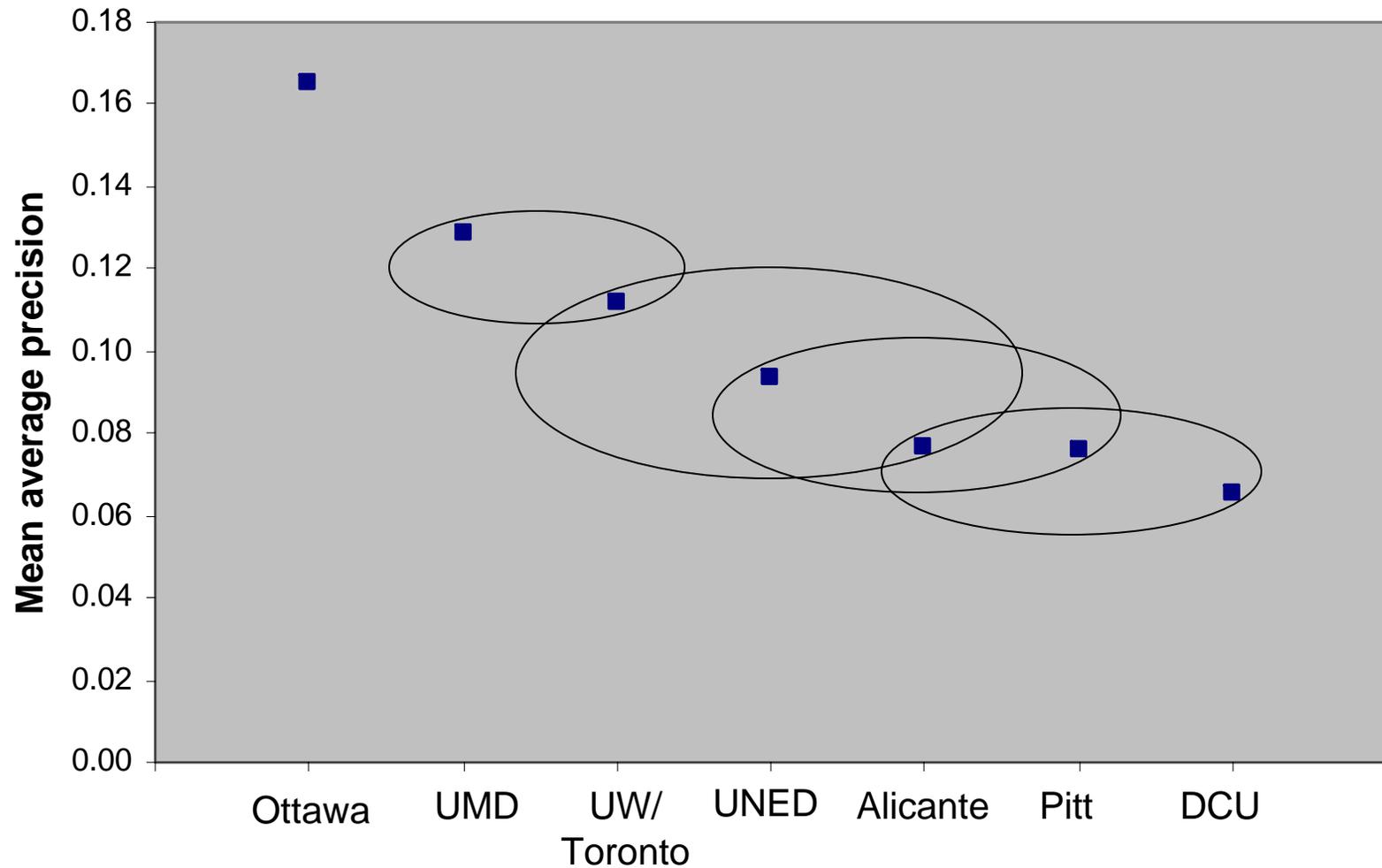
Somewhere in ASR	Only in Metadata	
wallenberg (3/36)* rescue jews		
wallenberg (3/36)	eichmann	
abusive female (8/81) personnel		
minsko (21/71) ghetto		
underground art auschwitz		
labor camps	ig farben	
slave labor	telefunken	aeg
holocaust	sinti roma	
sobibor (5/13) death camp		
witness	eichmann	
jews	volkswagen	

* (ASR/Metadata)



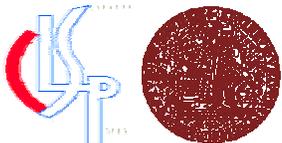
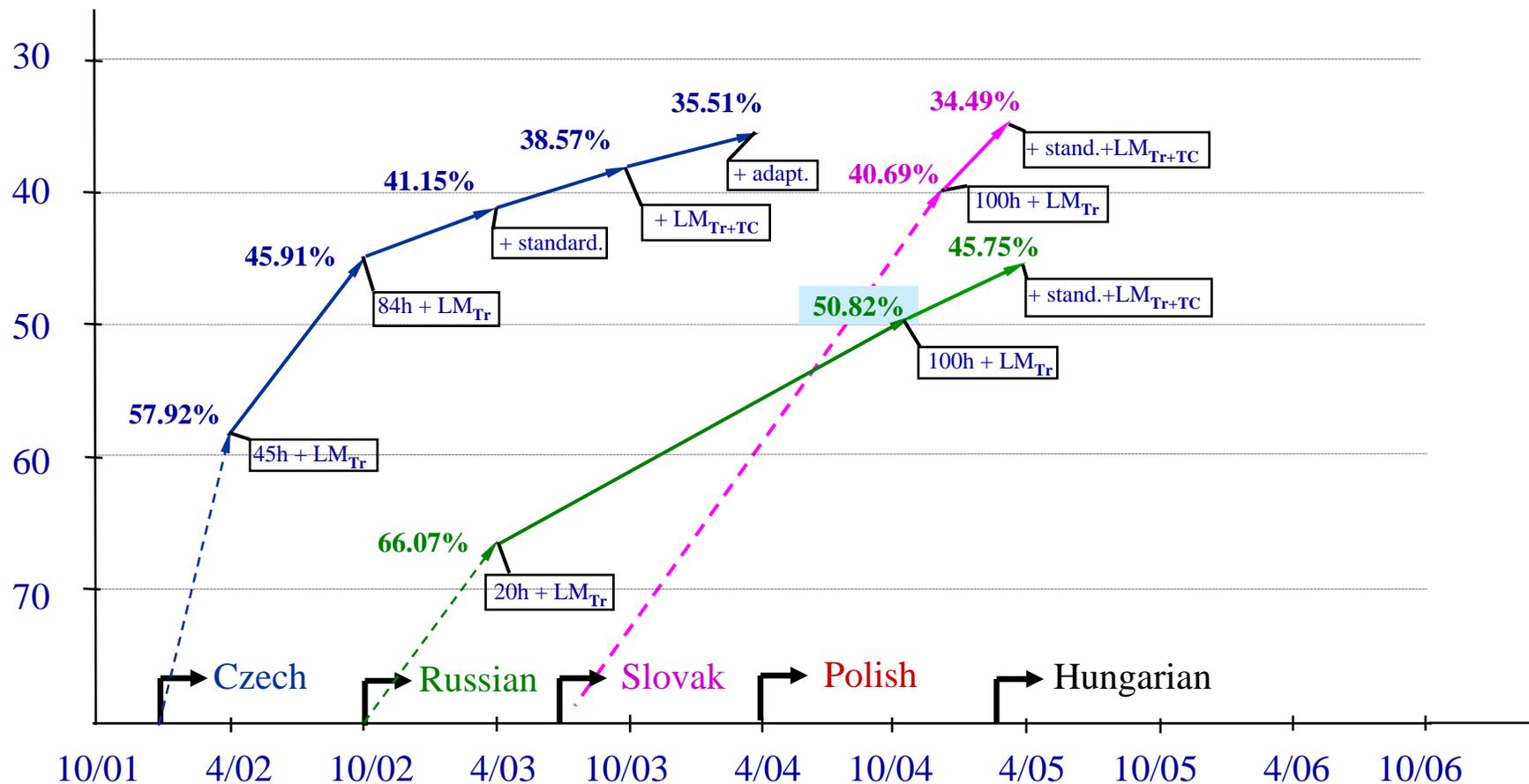
CLEF-2005 training + test – (metadata < 0.2), ASR2004A only, Title queries, Inquiry 3.1p1

TD Queries / English Automatic



Other Languages

WER [%]



Multilingual Sentiment Analysis

Yejun Wu

Bilingual Sentiment Aggregation

Snippets

Subject	China's Space Program					
Source						
	English News	Blog	English News	Blog	Chinese News	Blog
Pride						
Technology						
Cost						
US Impact						

... 神六成功从技术意义上有过热吹嘘之嫌 ...

... The success of Devine 6 is exaggerated in its technical sense. ...

... 中国在航天计划已经在世界上确定了自己的位置... China's space program has established its status in the world ...

Expected Contributions:

- Bilingual aspect alignment
 - Weakly supervised techniques
- Chinese sentiment classification
 - Common framework w/English

Blog Post  12/28/2005 Deng

一、神州六号圆满完成载入航天。为什么把神州六号上天作为第一件大事，主要有两个原因，一个是神州六号这次全程直播的航天飞行，表明中国在载入航天技术上具备相当的可靠性能，这点足以说明中国的航天技术在可靠性方面已经初步具备世界领先水平，也为进一步开展的“嫦娥计划”打下坚实的基础。另一个方面由于神州六号的成功以及“嫦娥计划”的筹划，刺激了美国加速发展登月计划的决心，在某种程度上说明中国在航天计划已经在世界上确定了自己的位置，神州六号飞船是拥有自主核心技术，在国防和高科技领域的成功典范。