


{SENSEI}



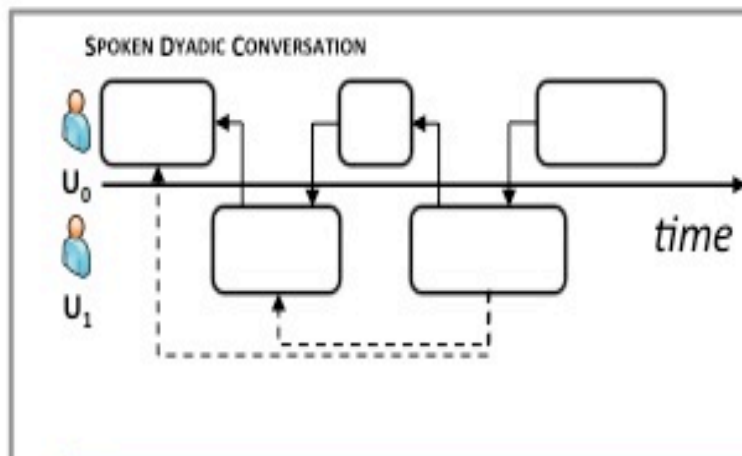
SENSEI

Making Sense of Human-Human Conversation Data

www.sensei-conversation.eu

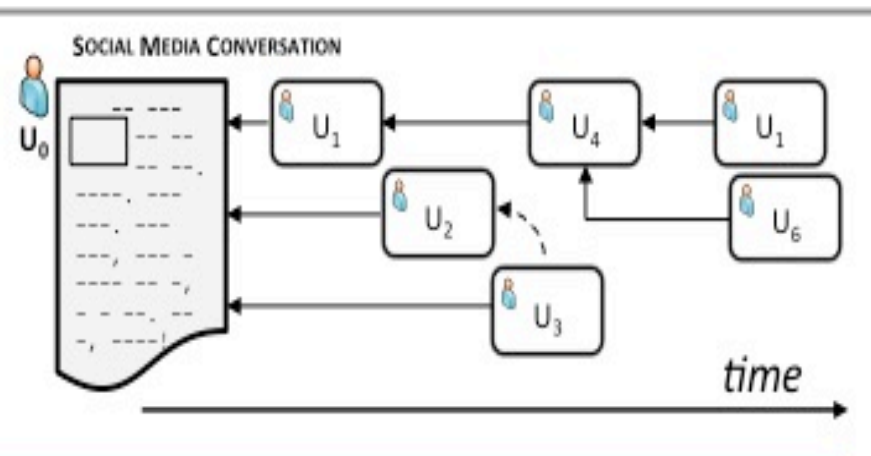
Human Conversations

Call Centers



One-to-One
Speech
Conversational
Vertical Topic

Social Media



Many-to-Many
Text (side info Image/Video)
Journalistic+ Blogging
Wide variety of Topics

What is “Making Sense” ?

(Data Intensive Industrial Society)

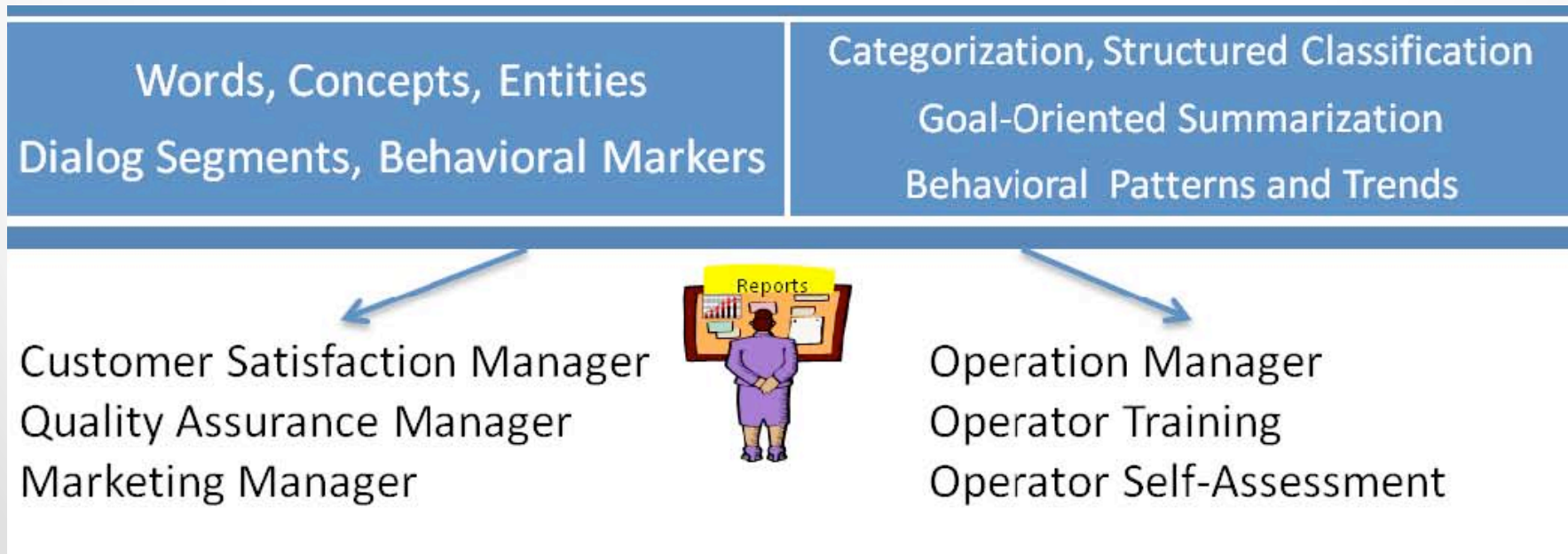
1) *Advanced analytics It's a mistake to assume that acquiring the right kind of big data is all that matters.*

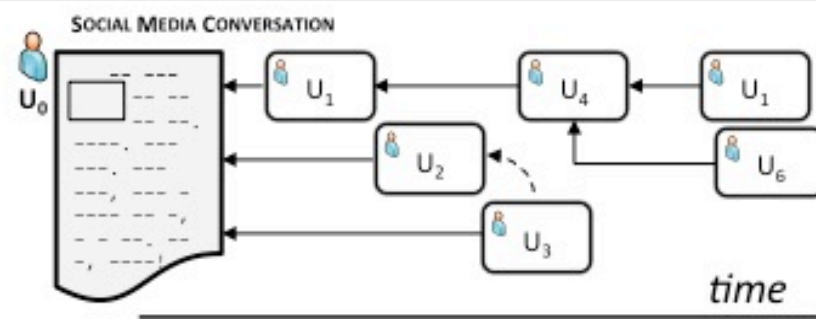
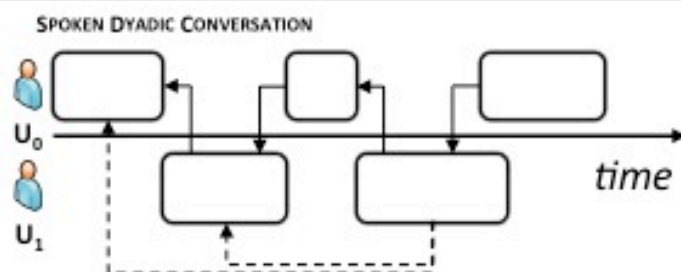
2) *Also essential is developing analytics tools that focus on business outcomes and that are relevant and easy to use for everyone from the C-suite to the front lines.*

3) *That requires deliberative effort to weave big data into the fabric of daily operations*

[Harvard Business Review, 2012]

Making Sense = Analysis + Generation +Evaluation





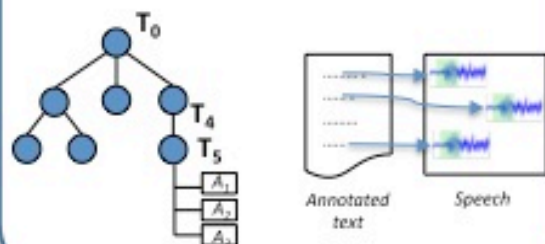
Semantic and Para-Semantic Parsing

Discourse Parsing

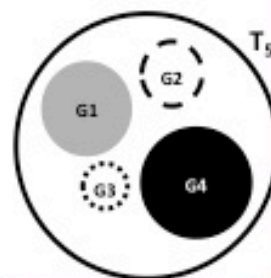
Aggregation and Summarization

End-User Presentation

CONVERSATION-ORIENTED SUMMARIES



BLOGGER-ORIENTED SUMMARIES



USER-DEFINED AD HOC REPORTS

TOPIC : T₅
 OPINION: +
 ASPECTS: A₁, A₃

RATED QUESTIONNAIRES

Questions	Rating	R ₁	R ₂	R ₃
1. --- ?				
2. --- ?				
3. --- ?				
4. --- ?				

SENSEI's Outputs

- **Summarization** technology driven by rich semantic, para-semantic and discourse annotation
- Language technology **adaptation** for **diverse media channels and domains**
- End-user **requirement collection** and **analytics technology evaluation**

Dissemination

- **Shared tasks**

- Speech summarization
- News and Social media summarization

- **Data releases**

- French, Italian, English
- Call Center Spoken Human-Human Conversations
- Social Media Conversations
- Annotations (Semantic, Parasegmentic, Discourse, Summaries

The Consortium

- University of Trento – UNITN (IT)
- University of Aix Marseille – AMU (FR)
- University of Sheffield – USFD (UK)
- University of Essex – UESSEX (UK)
- Teleperformance – TP (IT)
- Websays – Websays (ES)

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