



### **Facet Types**

- Discrete categories with no relationships
- Discrete entities with domain-specific relationships
- Linearly ordered elements
- Linearly ordered elements with distances
- Time

1D/2D/3D space

Facets specify possible arrangements and aggregations

Story synthesis does

of the final story!

not include the design

# **Story Synthesis**

Story synthesis creates story contents from story slices by...

- Aggregating and summarizing story slices according to facets/measurements
- Embedding details into views/layouts
- Arranging story slices onto layouts according to facets/ relationships
- Showing facets by priority and from multiple perspectives
- Annotating

## **Story Synthesis**



#### New Framework

**Facet Types** 

Discrete entities with domain-specific relationships

These are very similar to the Abstract Data

Types in VAD...

**Story Synthesis** 

People distribution based on their attitudes

and their keywords distribution

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Figure 11. Output from story synth

specify possible

14/20/21

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Discrete categories with no relationships

Linearly ordered elements with distances

Linearly ordered elements

Time

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ID/2D/3D space

- 1. Define **types** and **structures** of story slices What facets or patterns may be used from the data analysis phase?
- Design representations of story slices What data structure will be used to contain slice information? How will slices be visualized in the synthesis workspace?
- 3. Define story synthesis support functions.
- Design the visual analytics system, including support for discovery of potential story slices.

# New Framework

Background

Thoughts

**Related Works** 

story slice keys

**Bridging the Gap** 

**Proposed Solution** 

**Story Synthesis** 

People distribution based on their attitudes

and their keywords distribution

**Research Problem** 

- 1. Define **types** and **structures** of story slices What facets or patterns may be used from the data analysis phase?
- 2. Design **representations** of story slices What data structure will be used to contain slice information? How will slices be visualized in the synthesis workspace?
- 3. Define story synthesis support function This framework can be
- 4. Design the visual analytics system, used in designing visual discovery of potential story slices. analytics systems that provide support for story synthesis.

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**Story Synthesis** 

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## **Story Synthesis**



Background Research Problem Related Works Bridging the Gap Proposed Solution

Thoughts

### Good

- $\bigodot$  Need for framework is well backed by current research
- Story slices help reason about abstract data more

Story slices capture model of analysis concept generation

Evaluated by two sociology experts (positive feedback)

#### Bad

- Baper didn't do a great job proving generality of framework
- Adjority of examples used online text message data
- Baper structure could be improved to help understanding
- Both experts only interviewed for 1.5h using similar data
- B this framework better suited for messaging data?