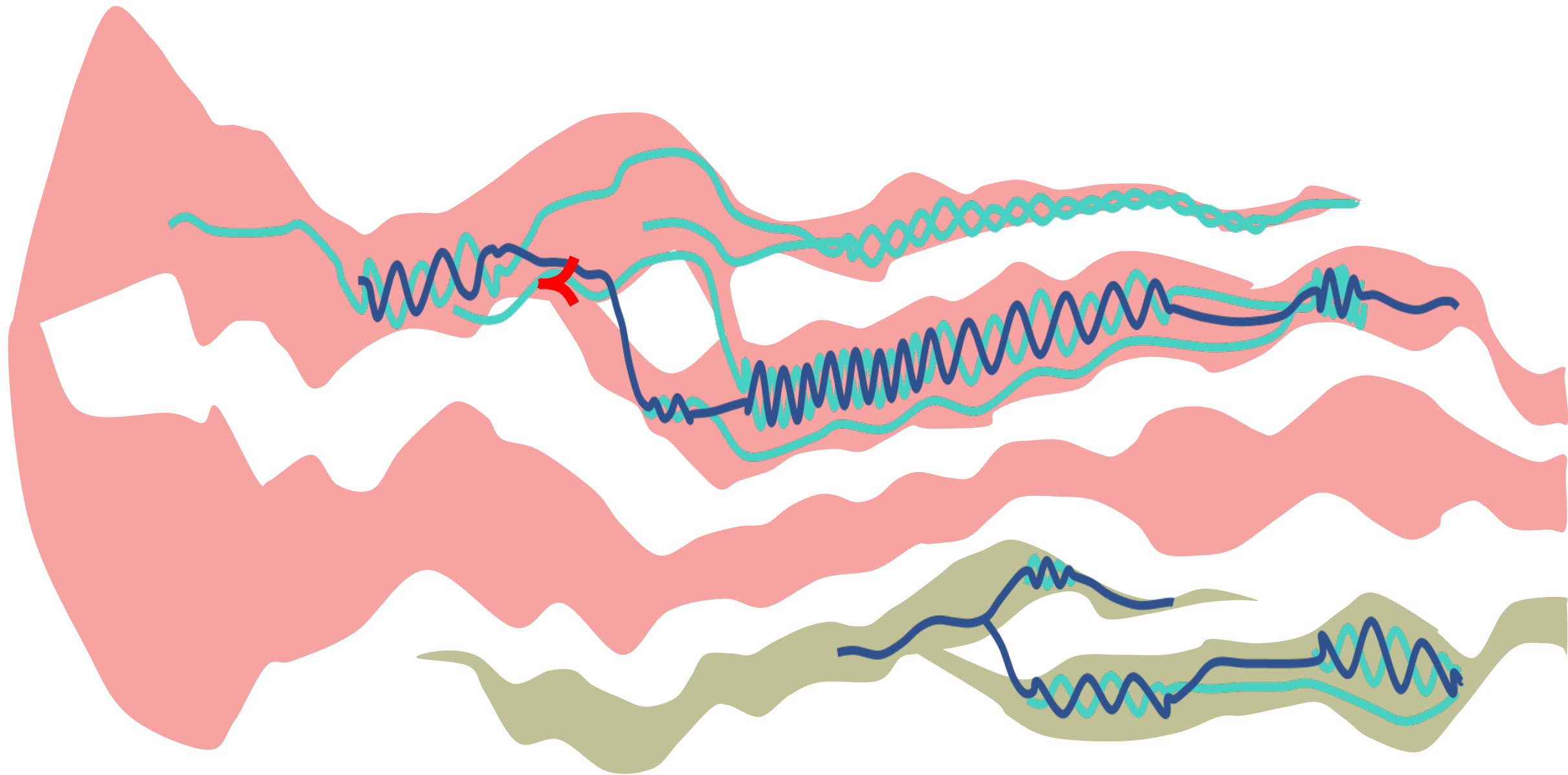
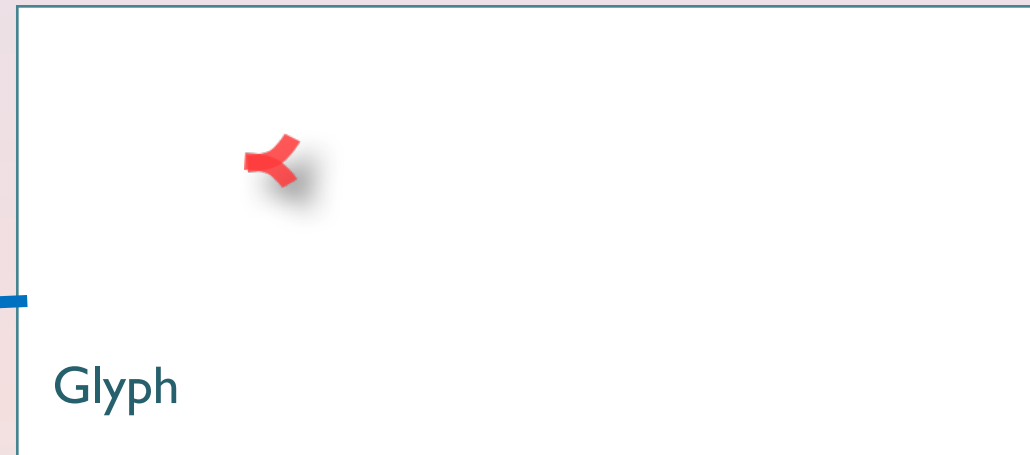
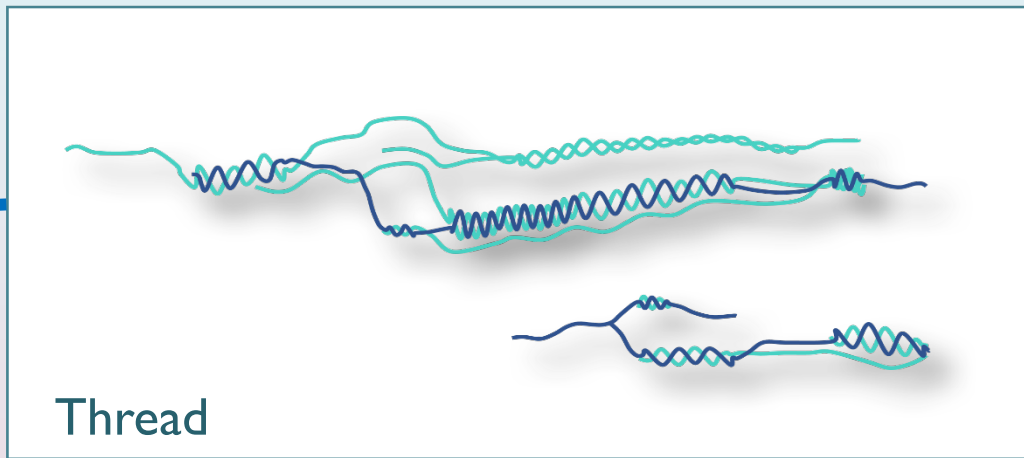
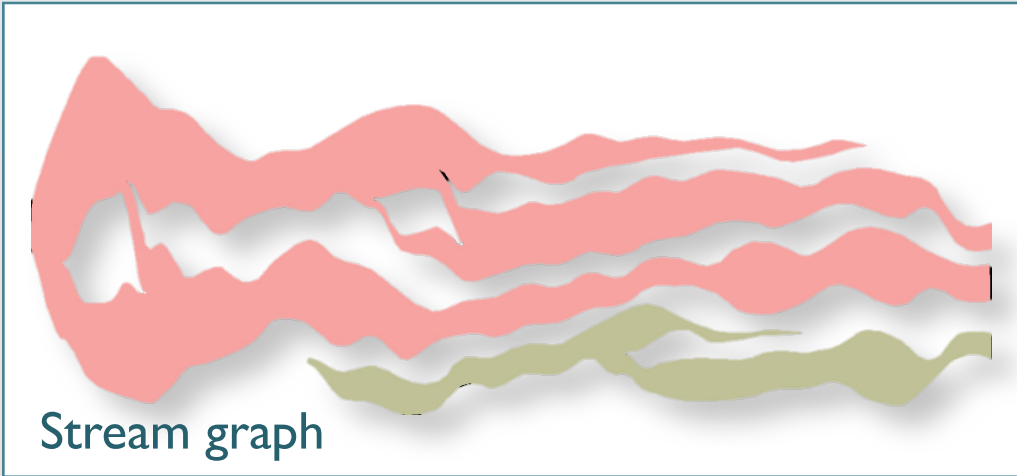


TEXT FLOW

Towards better
understanding of evolving
topics in text





The visualization of Social Media Text

For each text, we know

1. the time it published
2. the topic it relates to

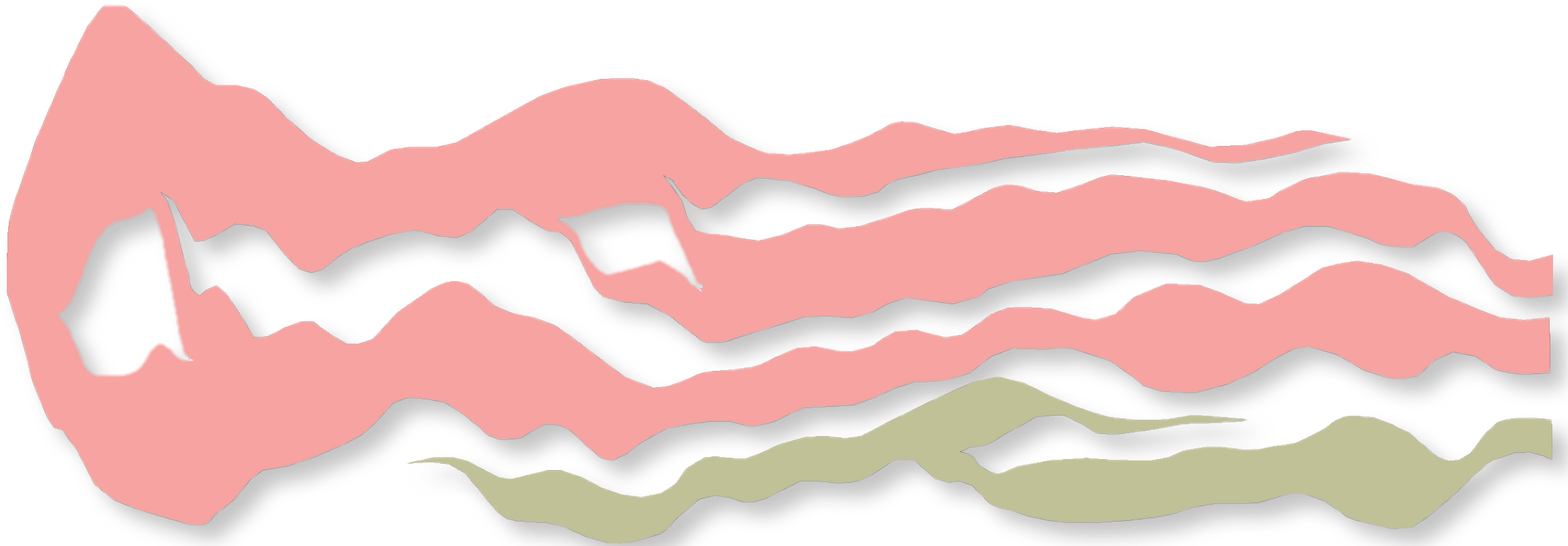
This visualization design is consist of three part:

1. **Stream graph**: topic flow
2. **Glyph**: critical event
3. **Thread**: keyword

Stream graph

Thread

Glyph



Stream graph

Thread

Glyph

Area:
text about a topic



Stream graph

Thread

Glyph

y-position:
Different topic



Stream graph

Thread

Glyph

Color:

Different topic category



Stream graph

Thread

Glyph

Length:
Time period

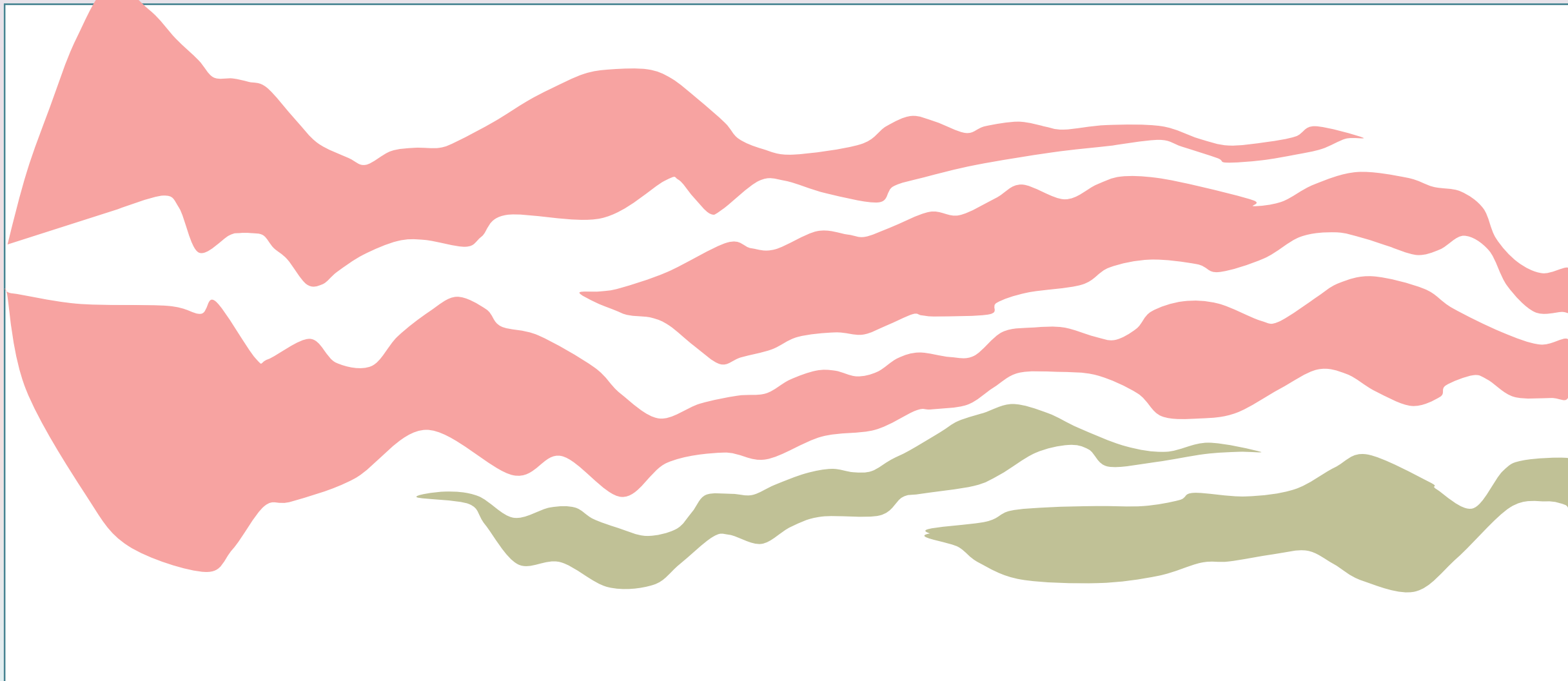


Stream graph

Thread

Glyph

Height:
Number of text



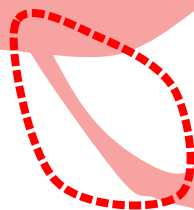
Stream graph

Thread

Glyph

Shape:
Topic relationships

Splitting



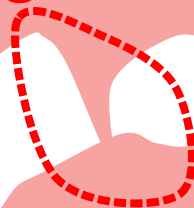
Stream graph

Thread

Glyph

Shape:
Topic relationships

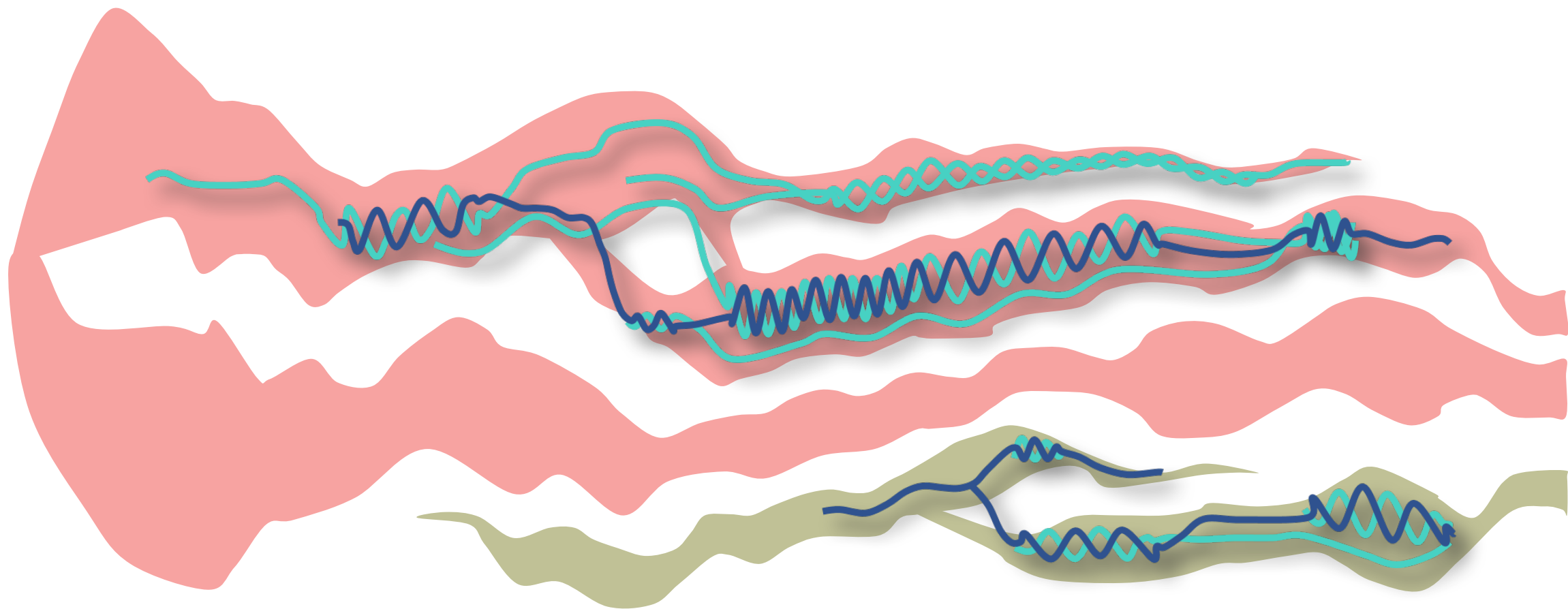
Merging



Stream graph

Thread

Glyph



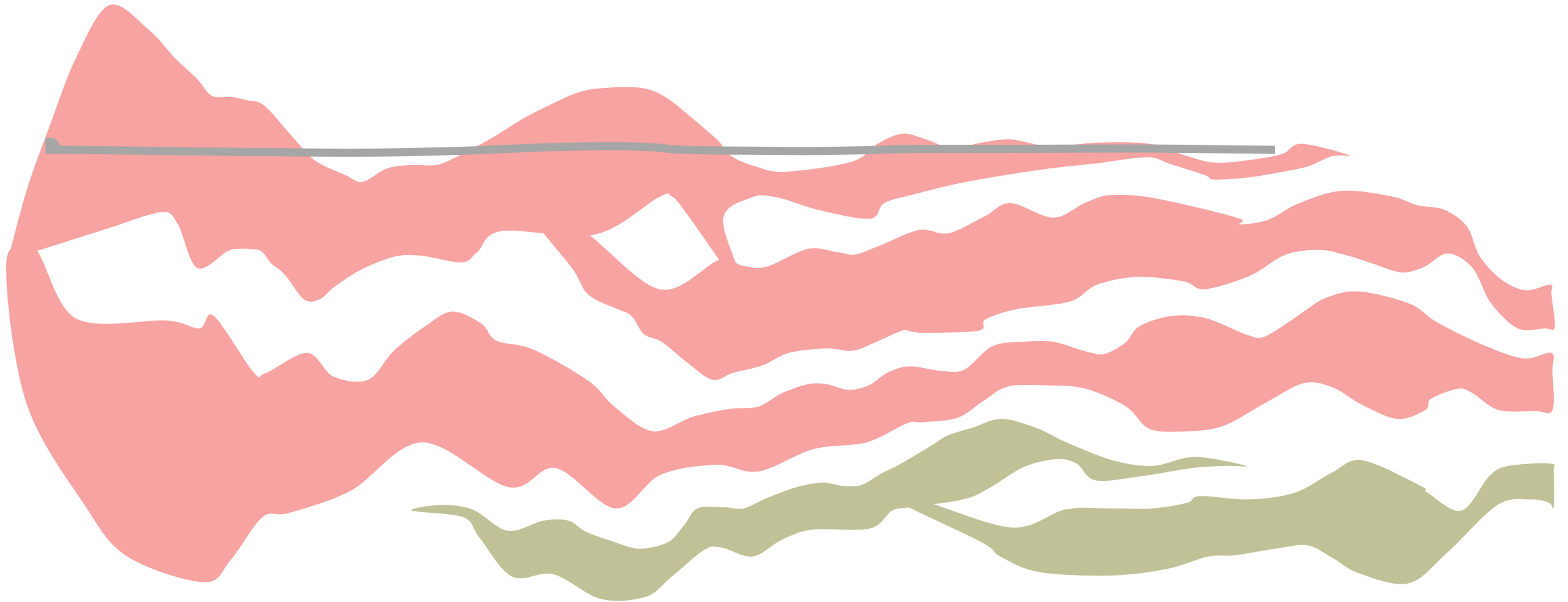
Stream graph

Thread

Glyph

Thread:

Keyword of a topic



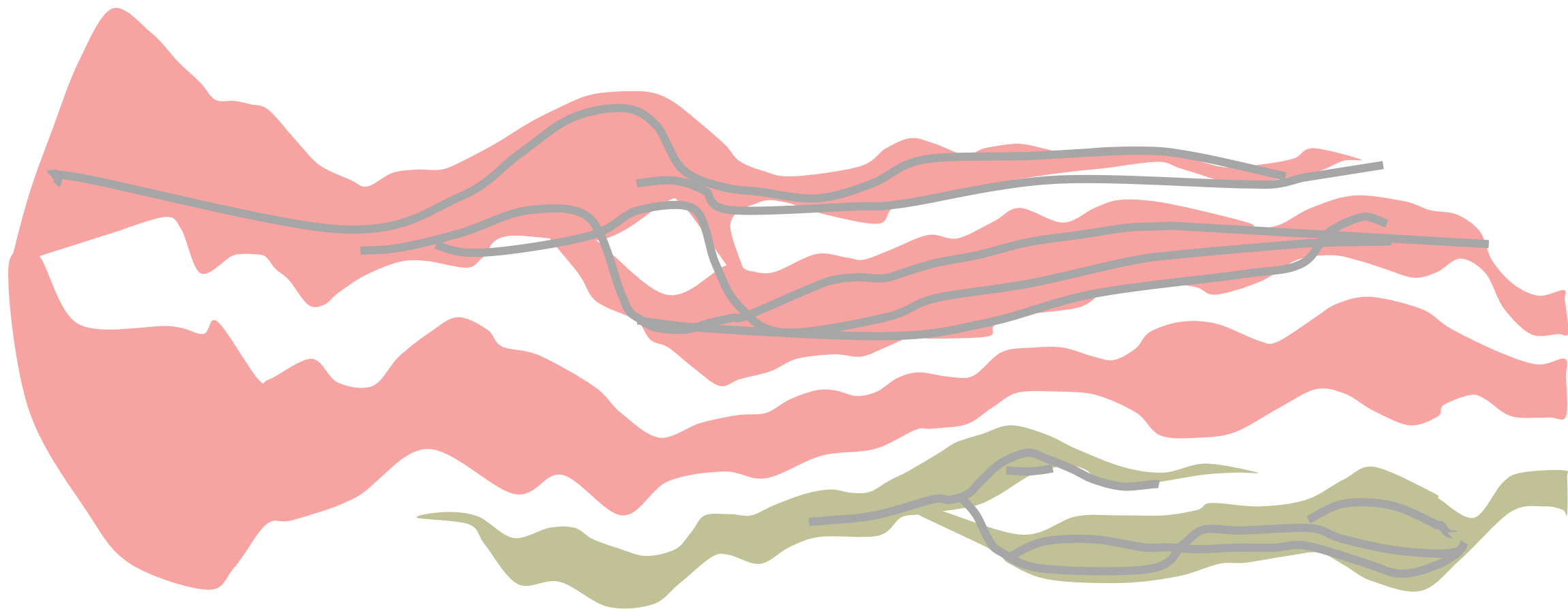
Stream graph

Thread

Glyph

Position:

The topic this keyword belongs to



Stream graph

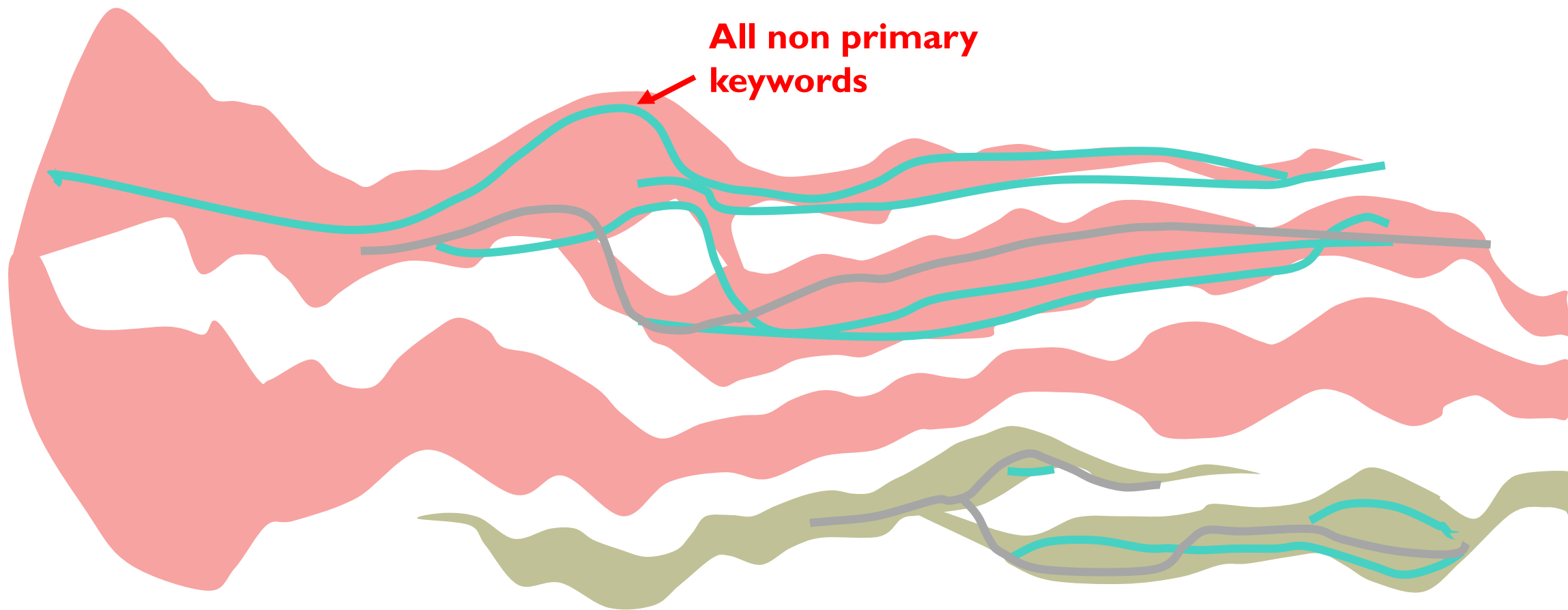
Thread

Glyph

Color:

Different kinds of keywords

**All non primary
keywords**



Stream graph

Thread

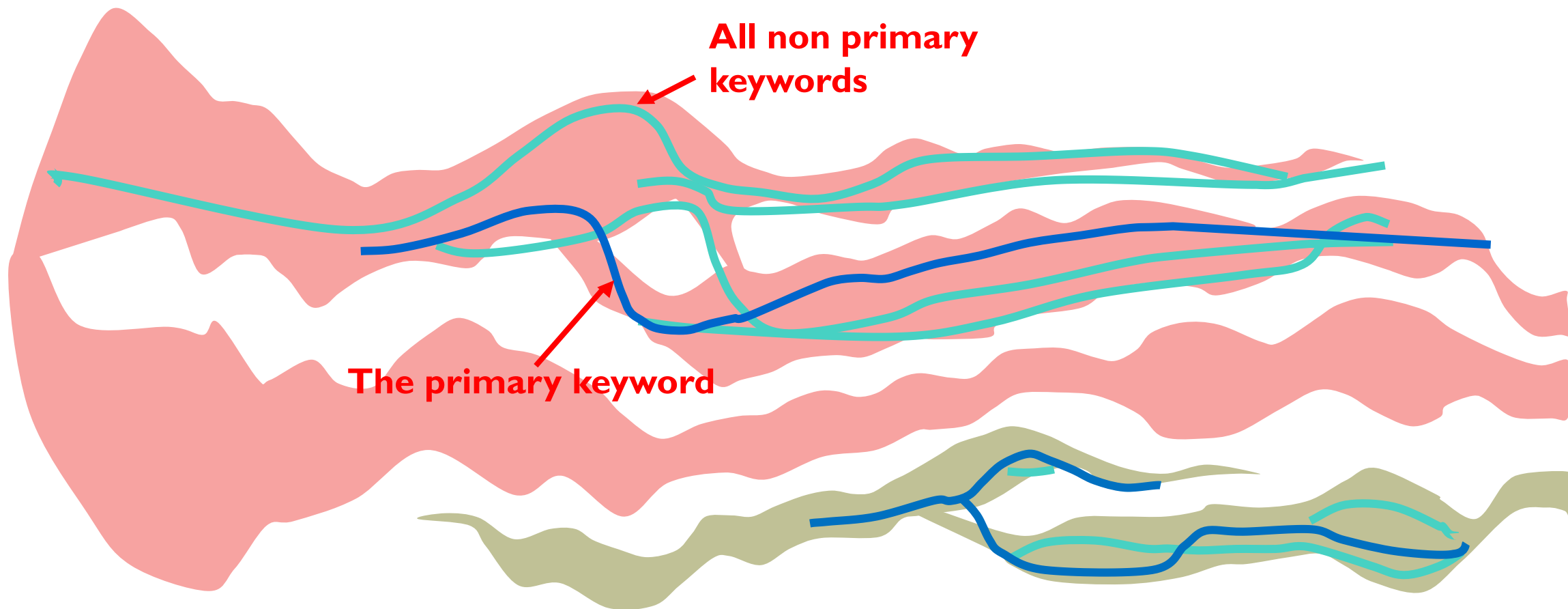
Glyph

Color:

Different kinds of keywords

All non primary
keywords

The primary keyword



Stream graph

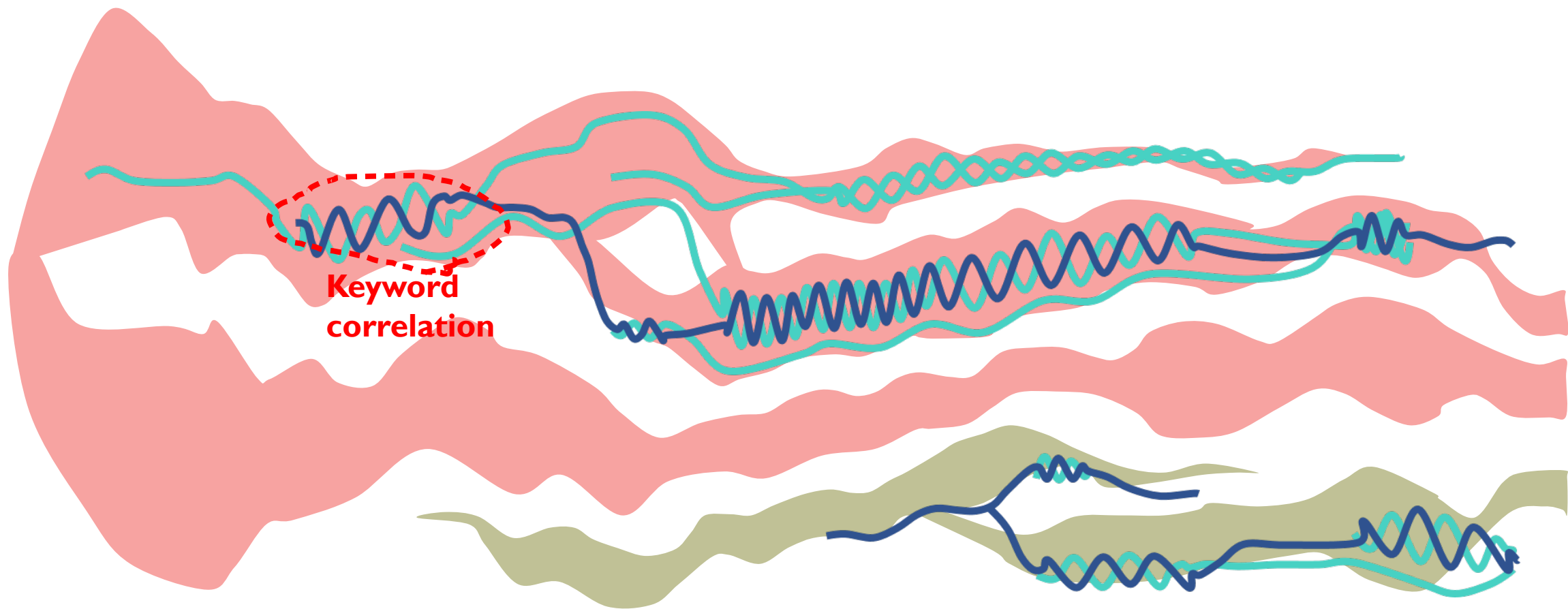
Thread

Glyph

Shape:

Wave effect--- keyword correlation

Keyword
correlation



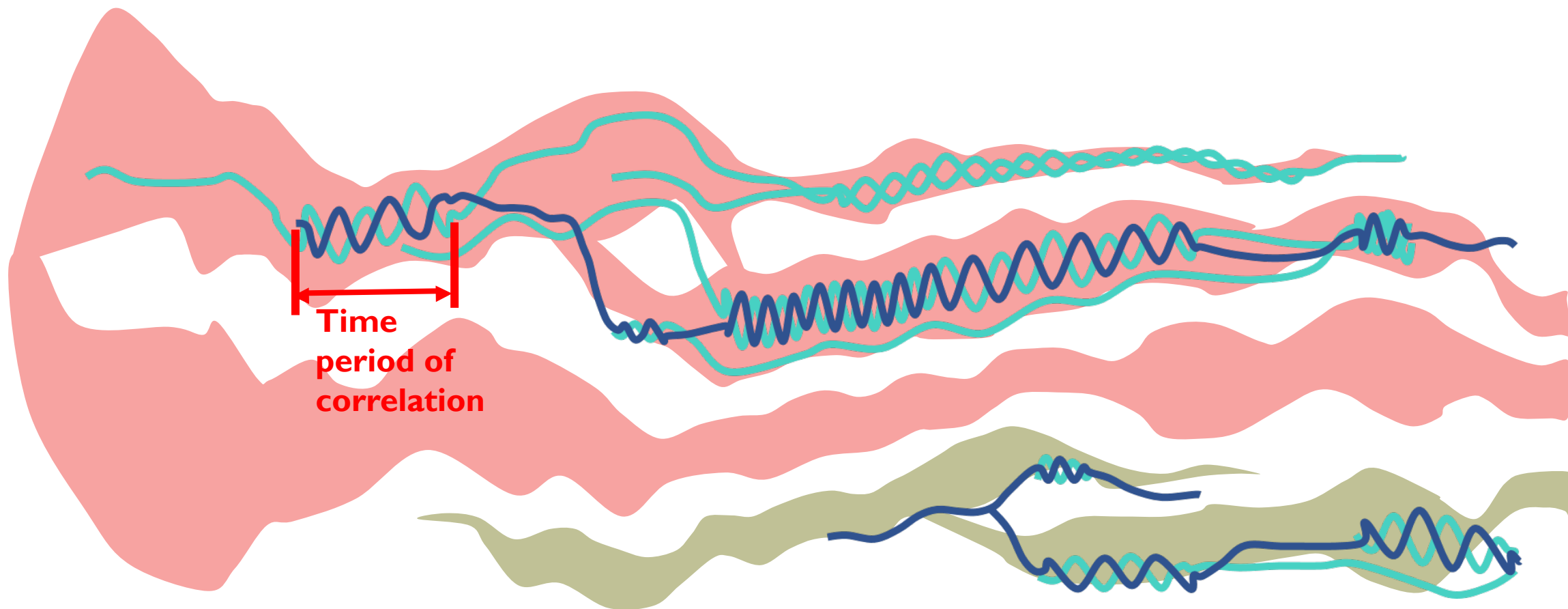
Stream graph

Thread

Glyph

Shape:

Wave effect--- keyword correlation



Stream graph

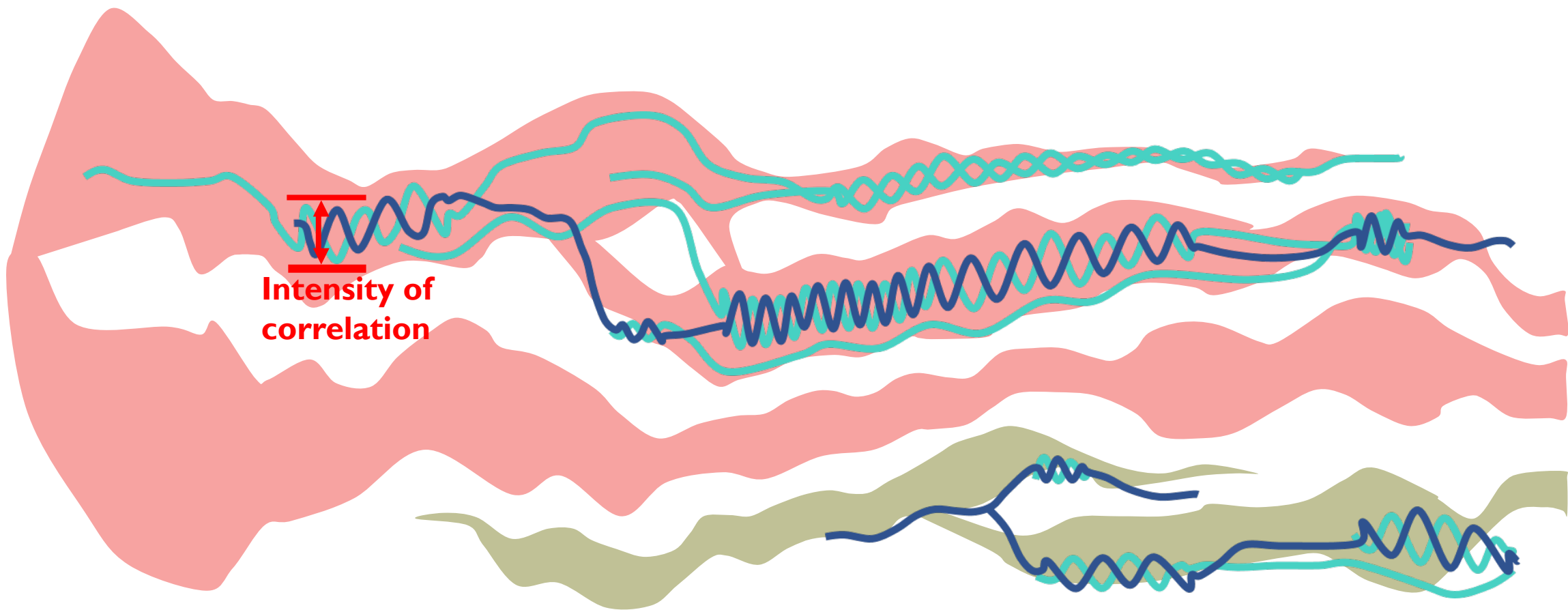
Thread

Glyph

Shape:

Wave effect--- keyword correlation

Intensity of
correlation

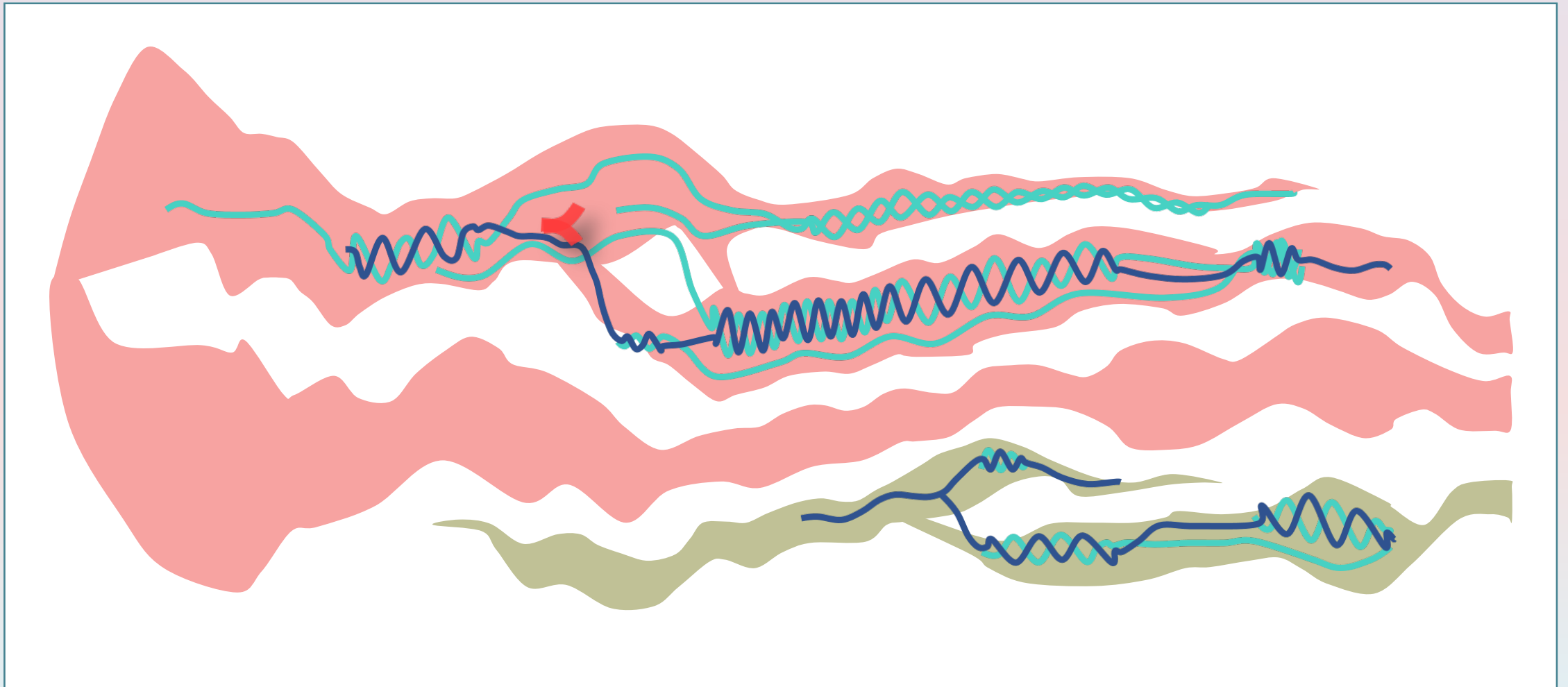


Stream graph

Thread

Glyph

Glyph:
Event of topic flow



Stream graph

Thread

Glyph

Size:

Importance score of this event

