Summarization:

At the beginning, we want to extract shorter version of the event (financial news, report) to realize the event analysis. Therefore, we begin some related summarization papers.

Papers (with some technique used in model):

1. TextRank: Bringing Order into Texts (TextRank)
2. Sentence Centrality Revisited for Unsupervised Summarization (PacSum)
3. BERT: Pre-training of deep bidirectional transformers for language understanding (Bert)
4. Attention is all you need (Transformer)
5. Self-Attention with Relative Position Representations
6. Get To The Point: Summarization with Pointer-Generator Networks
7. Concept Pointer Network for Abstractive Summarization
8. Deep Communicating Agents for Abstractive Summarization (DCA)
9. Boosting Factual Correctness of Abstractive Summarization with Knowledge Graph (FASum)
10. Abstractive Document Summarization with a Graph-Based Attentional Neural Model
11. Unified Language Model Pre-training for Natural Language Understanding and Generation (UniLM)

Event extraction:

However, we find that we may need to extract more specify event in the text rather general summarization of the text. Therefore, we change our focus to event extraction.

Papers:

1. Event Extraction via Dynamic Multi-Pooling Convolutional Neural Networks (DMCNN)
2. Joint Event Extraction via Recurrent Neural Networks (JRNN)
3. Jointly Multiple Events Extraction via Attention-based Graph Information Aggregation (JMEE)
4. Automatically Labeled Data Generation for Large Scale Event Extraction
5. Document-Level Event Role Filler Extraction using Multi-Granularity Contextualized Encoding
6. DCFEE: A Document-level Chinese Financial Event Extraction System based on Automatically Labeled Training Data

Finally, we find that DCFEE is well suit for our situation except it is for Chinese and we can’t find the source code yet (an applied website found)