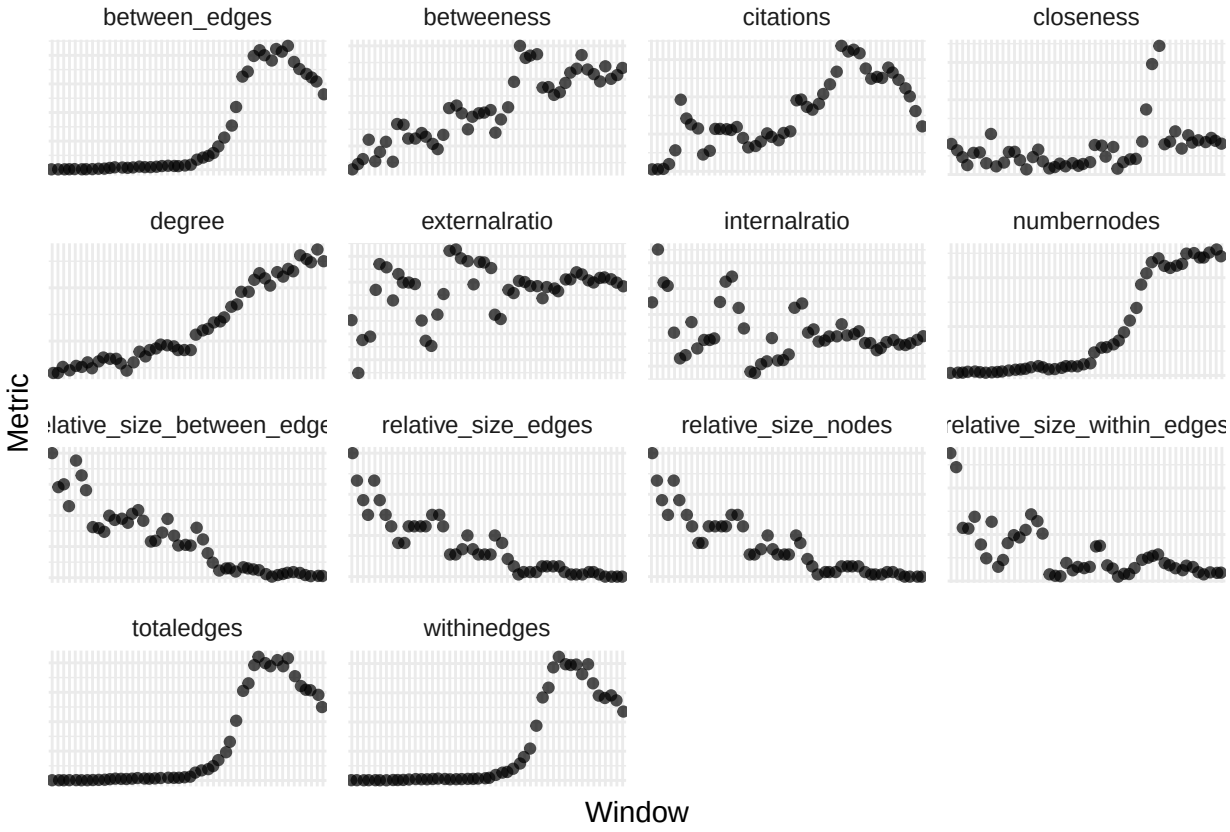
Evolution of Fields

2025-09-09

Aggregate Metrics



Field-Level Metrics

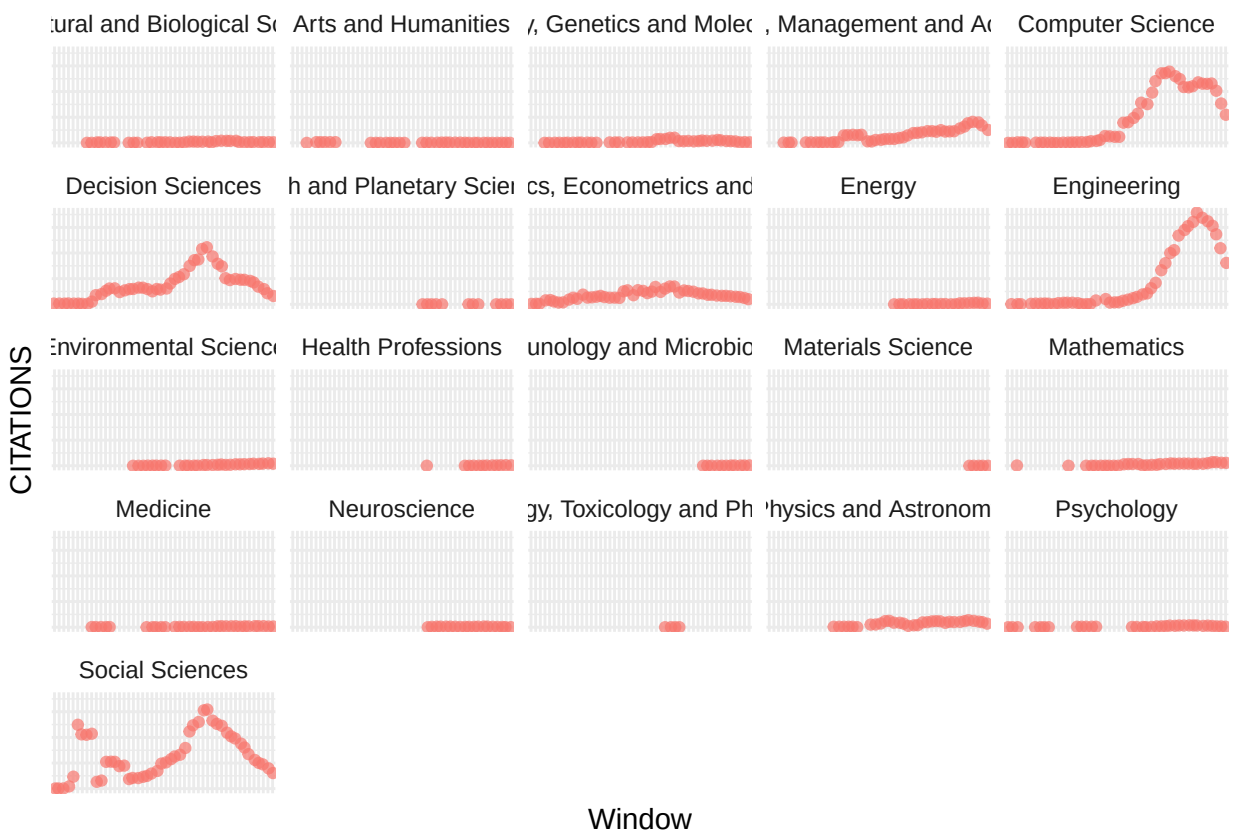
Relative Number of Nodes and Number of Citations

- Relative number of Nodes:

$$RelSize_{t,f} = \frac{N(V)_{t,f}}{\sum_f^F N(V)_{t,f}} \tag{1}$$

where:

- $RelSize_{t,f}$ measures the relative number of nodes for field f in time window t across all i articles of a field
- $N(V)_{t,f}$ measures the total number of nodes for field f in time window t across all articles i. It is therefore defined as $N(V)_{t,f} = \sum_i^N v_i 1_{field(v_i)=f}$ where v_i is the node belonging to article i.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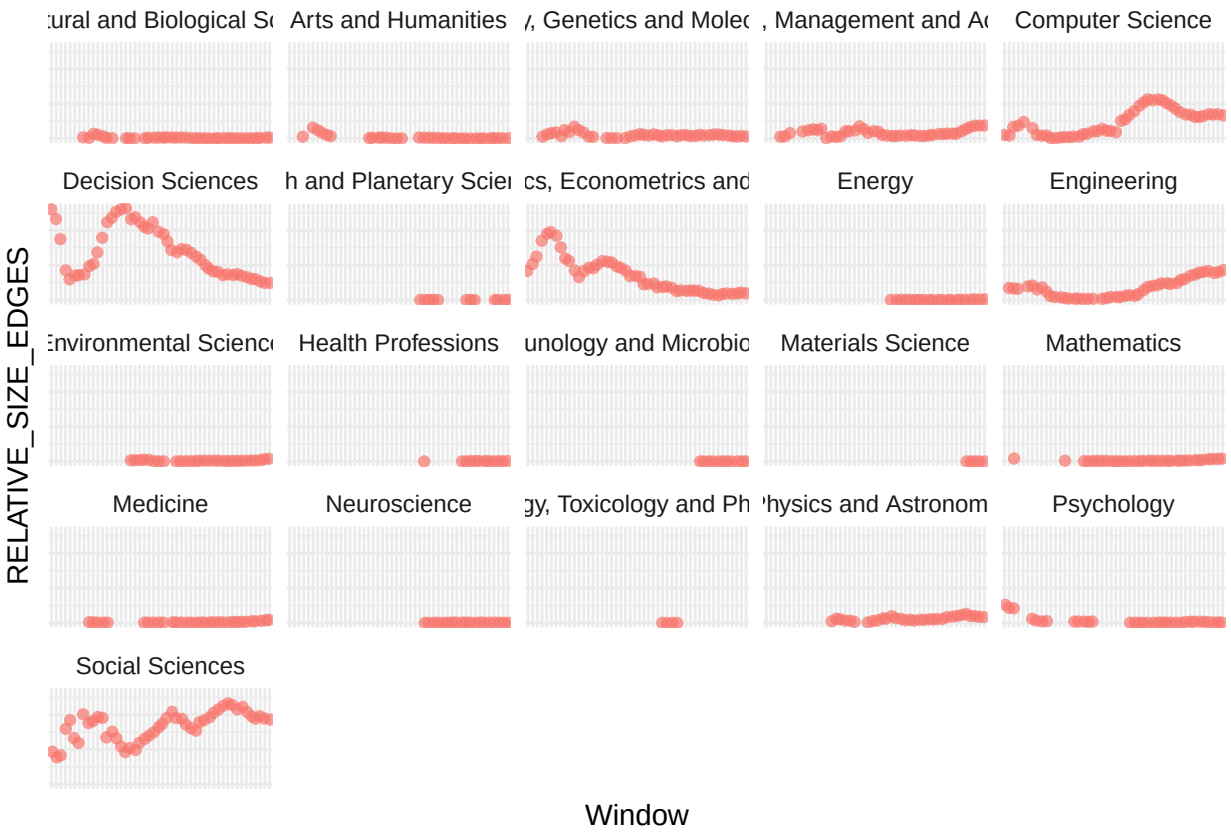
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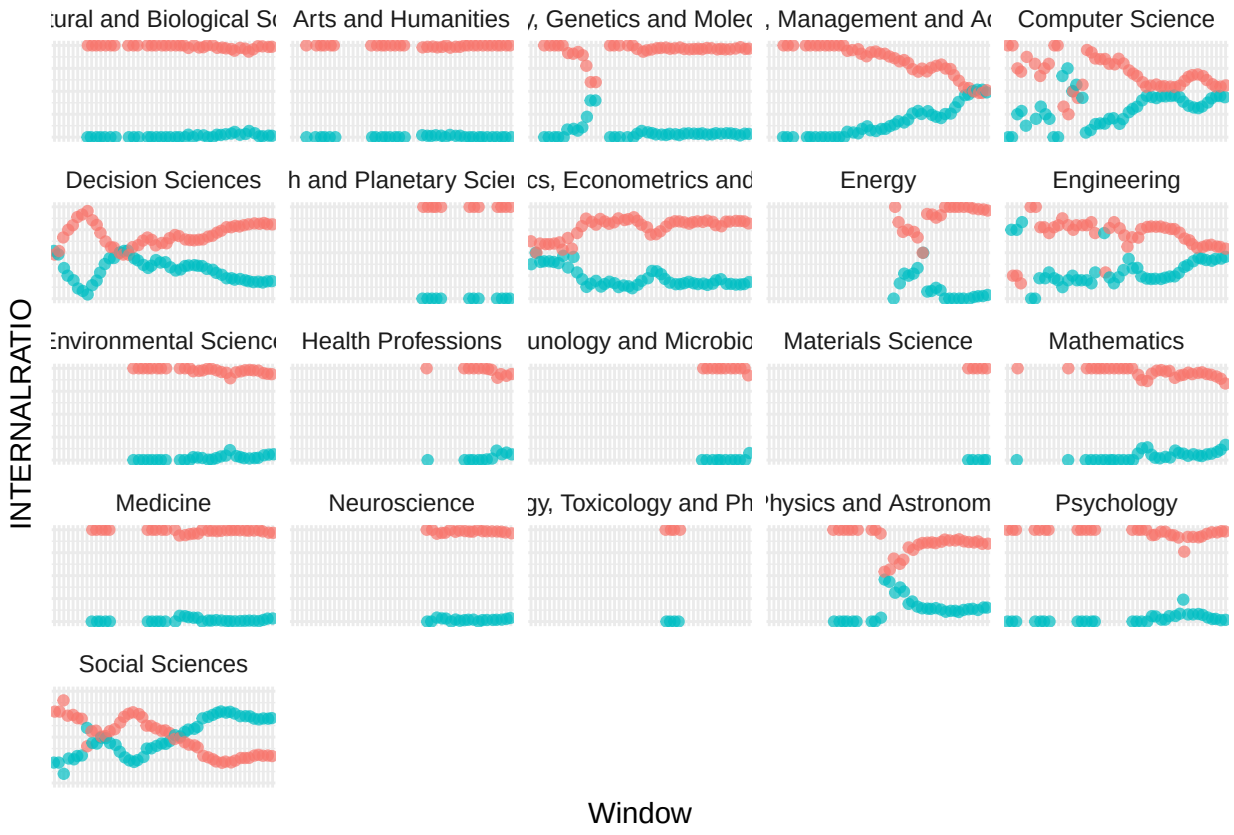
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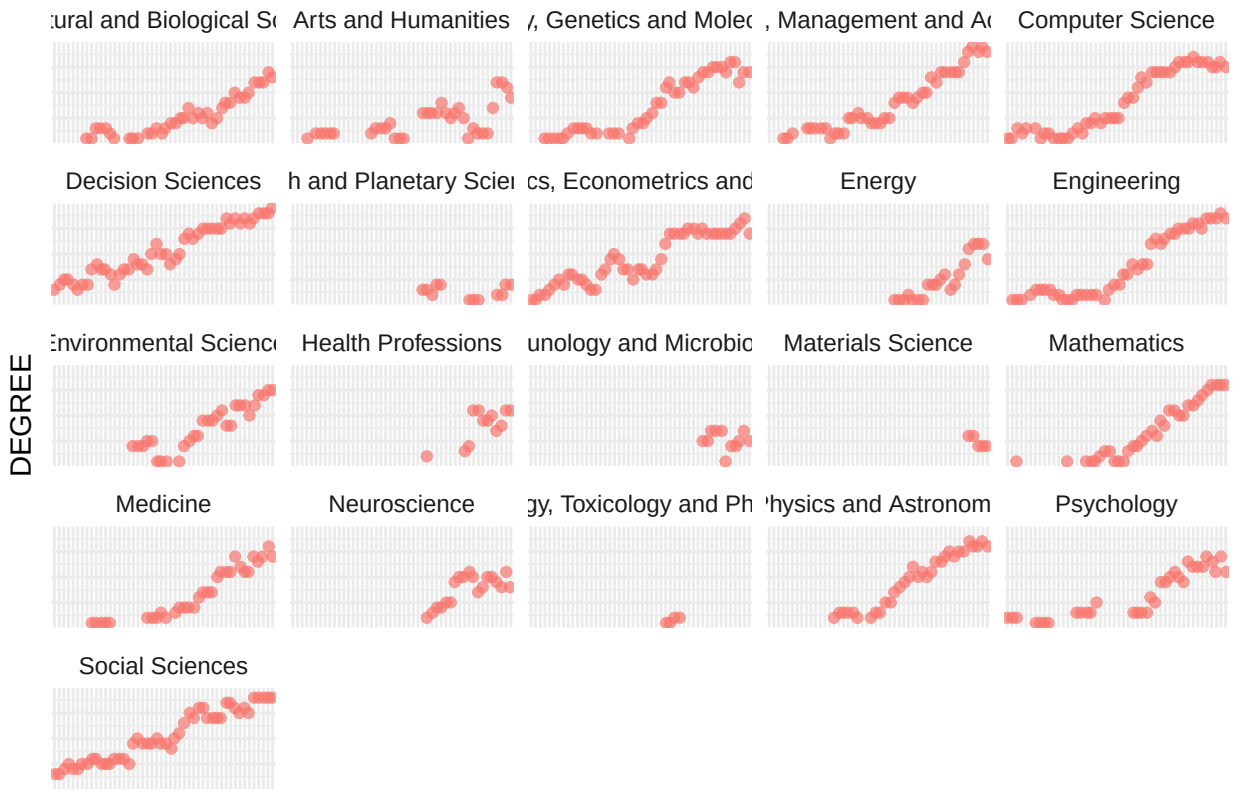
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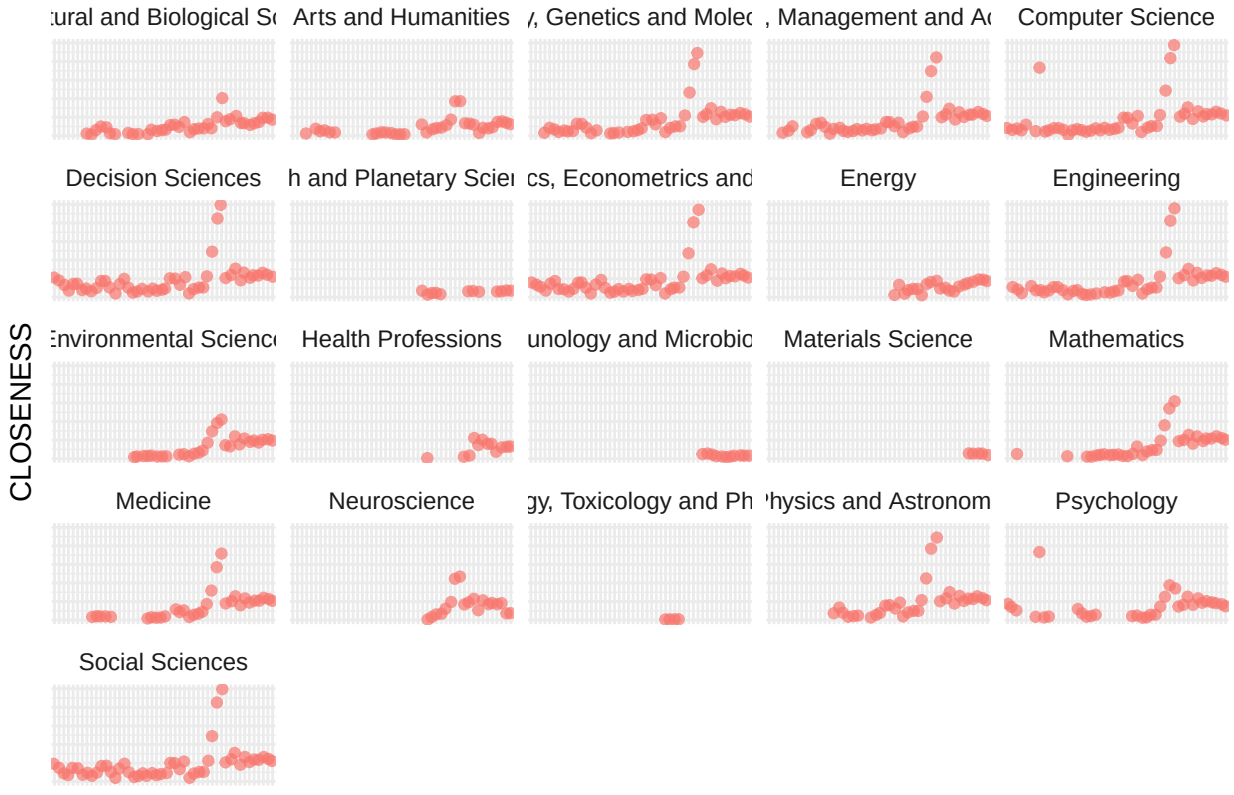
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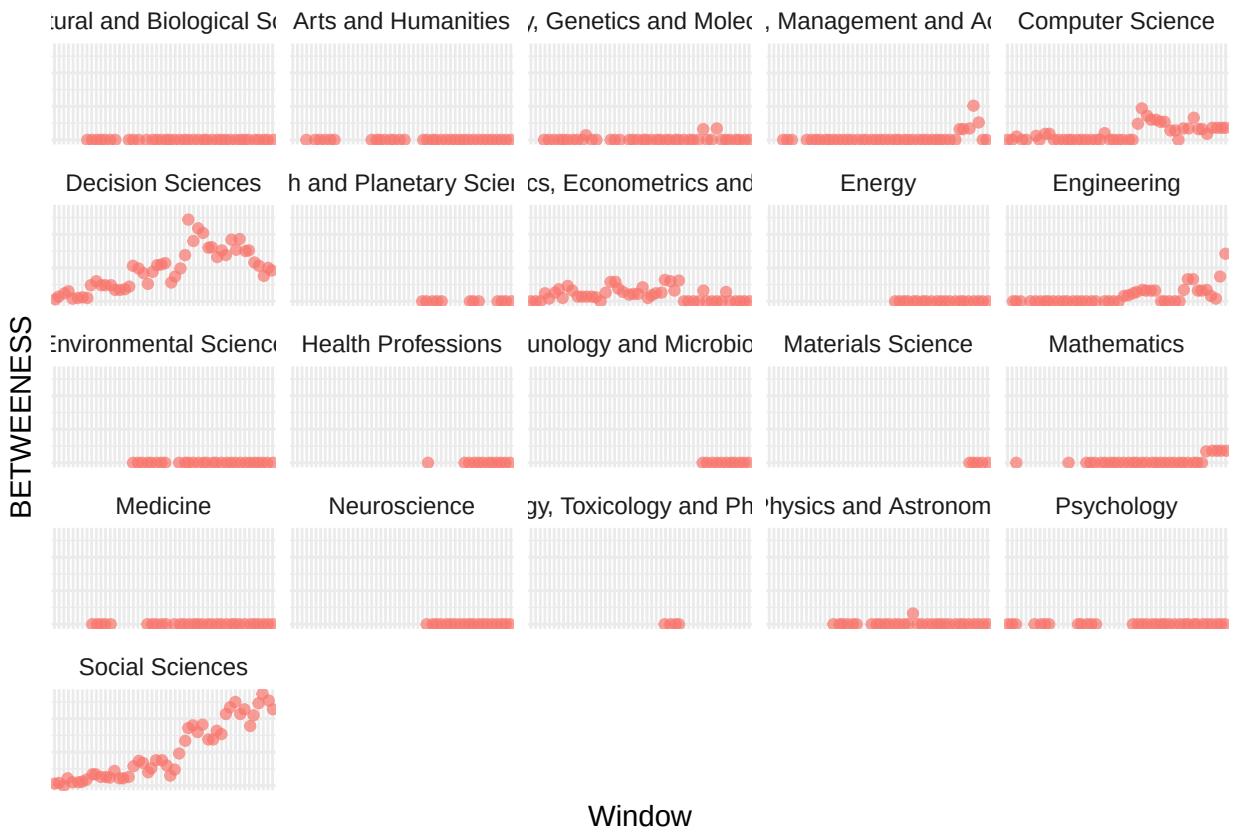
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