



frontiers
Research Topics

**Structural Shocks'
Implications on
Learning Networks:
Challenges,
Opportunities,
and Innovation**

Frontiers in Artificial Intelligence

This Research Topic aims to gather empirical sound evidence on how learning networks respond to sudden external events such as the COVID-19 related lockdowns.

It encourages submissions using AI, network analysis, and other computational techniques as well as mixed methods to harvest, process, predict, and reflect on learning-related (social, content-based, or hybrid) networks and their manifestations as a response to unpredictable external changes. Examples of appropriate topics include, but are not limited to:

- Social, content or hybrid network analysis, potentially complemented with machine learning, natural language processing, or qualitative methods to analyze the change in patterns of learning processes and outcomes
- Early detection and prediction of external shocks
- Processes of structural compensation resulting from unpredictable events
- Changes in the evaluation, assessment, and feedback mechanisms
- Changes in the behavior of learning communities while transforming in and out of distance learning
- Comparison of responses in various subject areas (such as STEM and humanities)

For more information:

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