"A Risk Assessment of Wind Resistance Safety in Cable-Stayed Bridges Using Bayesian Networks"

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The content of the paper

This study applies Bayesian networks to assess wind resistance risks in cable-stayed bridges, using Humen Bridge as a case study.

https://www.wegenwiki.nl/thumb.php?f=Humen_Bridge.jpg&width=800

Bayesian networks

- A Bayesian Network is a graphical probabilistic model that represents dependencies between variables

- Humen Bridge

Minor losses 83%,moderate losses14%, and major losses3%

From these result , the risk of major accidents is low

Why it is relevant to my research

I found this paper, which quantifies the wind-related risks of cable-stayed bridges like Yuri Bridge.

So, this is highly relevant to my research."

How I can apply or incorporate its ideas into my work

- Through this paper, I was able to better understand risk assessment.

- I would like to apply Bayesian Networks as one of the risk assessment methods for Yuri Bridge."

Thank you for listening