Big slopes, little data: data-driven nowcasting of deep-seated landslide deformation

van Natijne, A.L.

DOI
10.4233/uuid:98afe3ba-fa0d-4834-b802-60c29196ac35

Publication date
2023

Document Version
Final published version

Citation (APA)
van Natijne, A. L. (2023). *Big slopes, little data: data-driven nowcasting of deep-seated landslide deformation*. [Dissertation (TU Delft), Delft University of Technology]. https://doi.org/10.4233/uuid:98afe3ba-fa0d-4834-b802-60c29196ac35

Important note
To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Propositions

Accompanying the dissertation

Big slopes, little data:
data-driven nowcasting of deep-seated landslide deformation

by

Adriaan L. van Natijne

1. The applicability of InSAR in mountainous terrain is both over- and underestimated. *(Chapter 3)*

2. The lack of a true understanding of ground truth hinders the definition of a proper error function. *(Chapter 4)*

3. The diversity of training data is more important than the quantity for landslide deformation nowcasting systems. *(Chapter 4)*

4. The success of Google Earth Engine demonstrates the chronic lack of data organisation in research departments. *(Chapter 5)*

5. "Ignorance is strength"[1] is just as applicable to machine learning as it is to controlling human thought.

6. Any new standard is one too many.

7. Out of all scientific conclusions, only those based on falsified results are non trivial.

8. 40% of PhD candidates experience burn-out related complaints[2]. Hence, PhD candidates should receive hazard pay.

9. Science and war both strive to resolve uncertainty. Engineering is the skill of balancing uncertainty. Therefore, peace has to be engineered.

10. Maintaining your own bike is proof of self-confidence.

These propositions are regarded as opposable and defendable, and have been approved as such by the promotors Dr. R.C. Lindenbergh and Dr. T.A. Bogaard.

---

[1] Orwell, G. (1949). *Nineteen eighty-four. A novel.* Secker & Warburg, London

[2] Nagtegaal, B. (2020). Hoge werkdruk en burn-outklachten onder promovendi: 'De universiteit moet ingrijpen'. *NRC Handelsblad*