



**POLYTECHNIQUE  
MONTREAL**

UNIVERSITÉ  
D'INGÉNIERIE



**IVADO**

# **transdim: Machine Learning for Transportation Data Imputation and Prediction**

Reproducible Research Workshop

TRB 103rd Annual Meeting · Washington, D.C.

**Xinyu Chen**

January 11, 2024

Open-source & reproducible research:

- ① GitHub repository: <https://github.com/xinychen/transdim>
- ② Slides: <https://xinychen.github.io/slides/transdim.pdf>

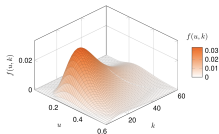
ML algorithms



transdim

(1.1k stars)

Visualization tools



awesome-latex-drawing

(1.2k stars)

# Why?

---

Academic:

- Provide platform and benchmark for comparison
- Stimulate new algorithmic ideas

Industry:

- Solution to ...

Next-step plan:

- Spatiotemporal data modeling:  
<https://spatiotemporal-data.github.io>



**POLYTECHNIQUE  
MONTREAL**

UNIVERSITÉ  
D'INGÉNIERIE



**IVADO**

# Thanks for your attention!

## Any Questions?

### About me:

 Homepage: <https://xinychen.github.io>

 GitHub: <https://github.com/xinychen>

 How to reach me: [chenxy346@gmail.com](mailto:chenxy346@gmail.com)