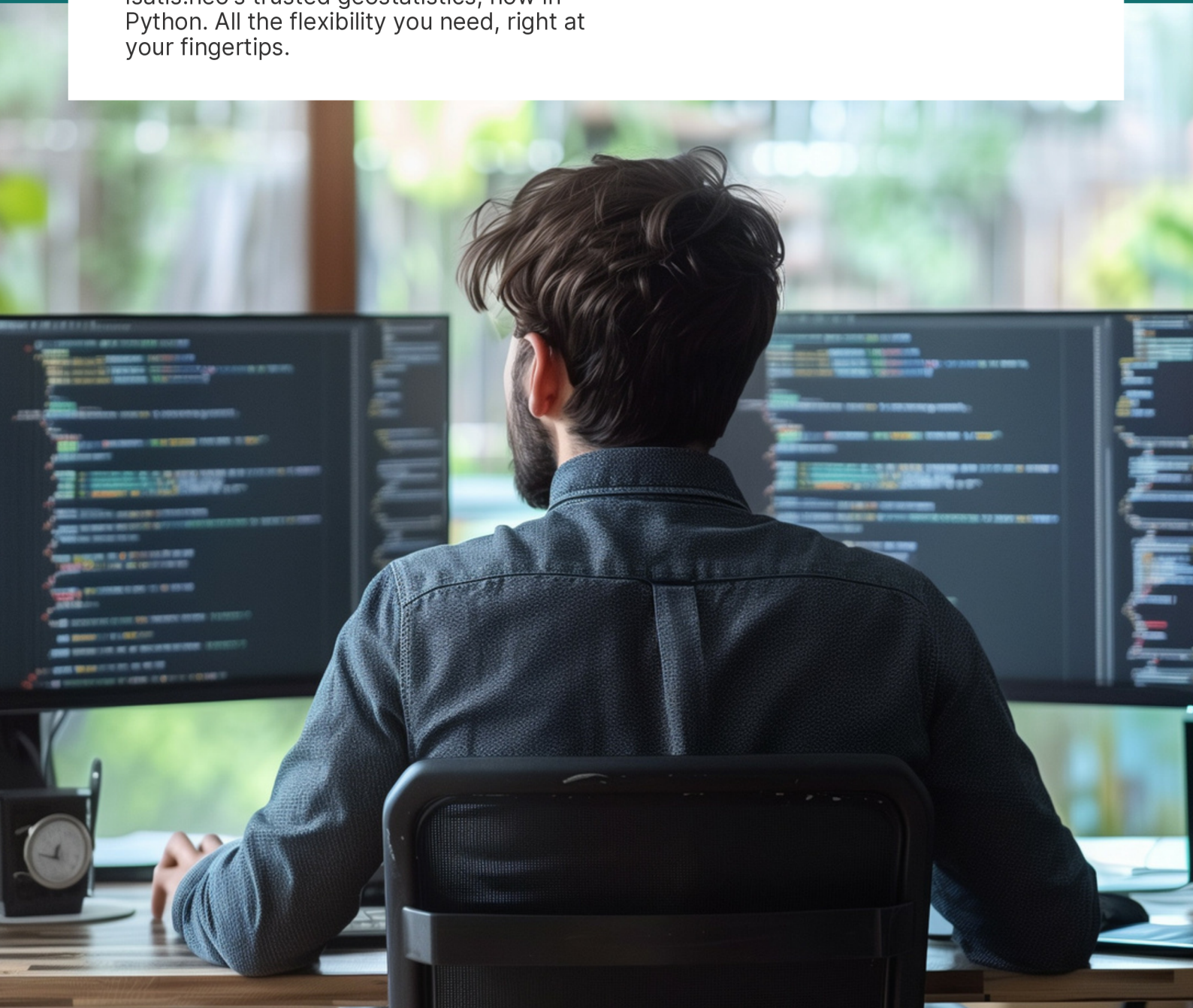# ISATIS.PY

Advanced Geostatistics in Python

Tackle complex modeling challenges, automate workflows, and seamlessly scale your processes with the full power of Isatis.neo's trusted geostatistics, now in Python. All the flexibility you need, right at your fingertips.

Who uses Isatis.py

- Developers
- Engineers in Mining, Oil & Gas, and Environmental Industries

KEY BENEFITS

"Isatis.py lets us easily explore the full geostatistical workflow with Python's flexibility, while using all the trusted tools of Isatis.neo. It's also a great way to support student learning." — Universidad de Santiago de Chile

Seamless integration with Isatis.neo

— Identical results between software and library
— Perfect for validation and workflow testing

Full modeling capabilities

— Data preparation, transformation, variography
— Kriging, Uniform Conditioning and Conditional Simulations for risk analysis
— Local anisotropy
— Direct Isatis.neo database access

Built for developers

— Fully compatible with Python and Jupyter environments
— Seamlessly integrates with Machine Learning, data science and visualization libraries
— Automates and scales custom workflows

Designed to handle big data

— Parallelized and multithreaded
— Handles millions of cells
— High-speed processing on Windows and Linux

Flexible. Scalable. Ready for any workflow

— Custom process development
— Integration into existing software
— Scalable from prototyping to production
— Maintains geostatistical rigor across platforms

Power, flexibility, and performance directly in your Python environment

Ready to bring premium geostatistics to your workflows?
Contact our sales manager: binet@geovariances.com.

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