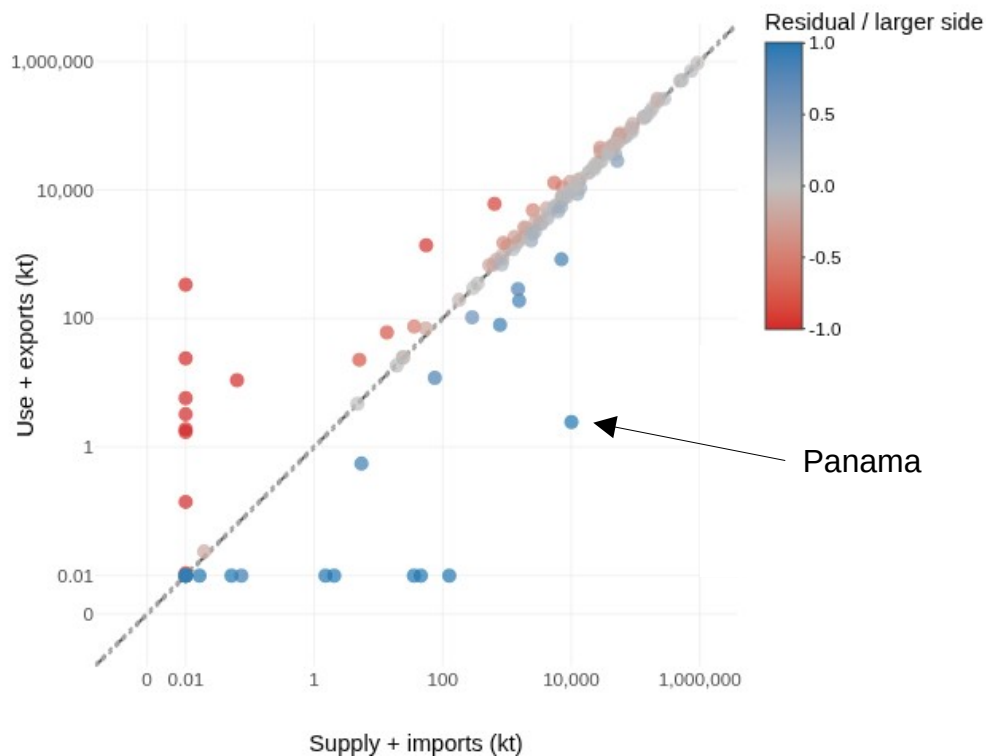


Two safety nets for verification

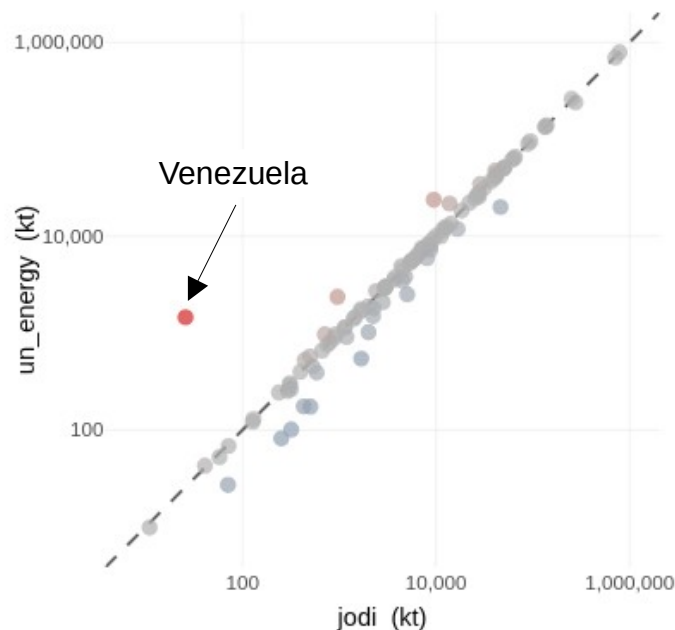
1. Accounting identities

Crude (all grades aggregated): supply + imports vs refinery use + exports

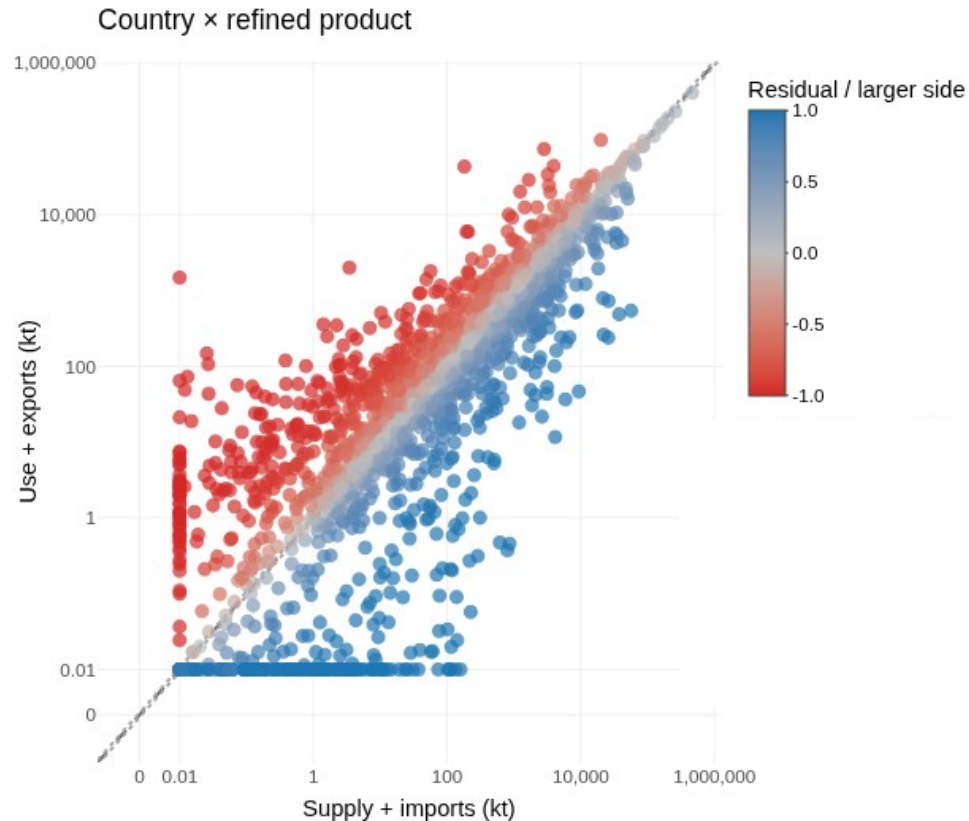


2. Data source redundancy

refining_input: jodi vs un_energy



... but there is still a lot to verify



Takeaways

- with coding agents, the bottleneck shifts from writing code to **verifying it**
- we need **more good open-source community tools** that are thoroughly tested and robust, because every tested building block is one less thing to verify.