Technologically Decorative

Technologically decorative refers to a research approach or publication that uses **advanced tools or technologies** (e.g., machine learning, tractography, high-resolution imaging) primarily for **aesthetic, superficial, or rhetorical appeal**, rather than for **substantive scientific contribution**.

Characteristics

- Integration of **complex technology** without:
  - Clear rationale
  - Demonstrable improvement in outcomes
  - Rigorous validation
- Often found in studies that **showcase novelty** over applicability.
- May include **overly sophisticated visualizations** that do not enhance understanding.

Implications

- Gives the **illusion of innovation** while offering little scientific progress.
- Can mislead readers, reviewers, or clinicians into overvaluing the study.
- Often masks weak methodology or insufficient data with technical flair.

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