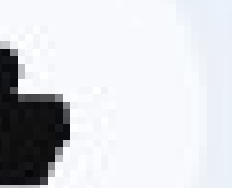


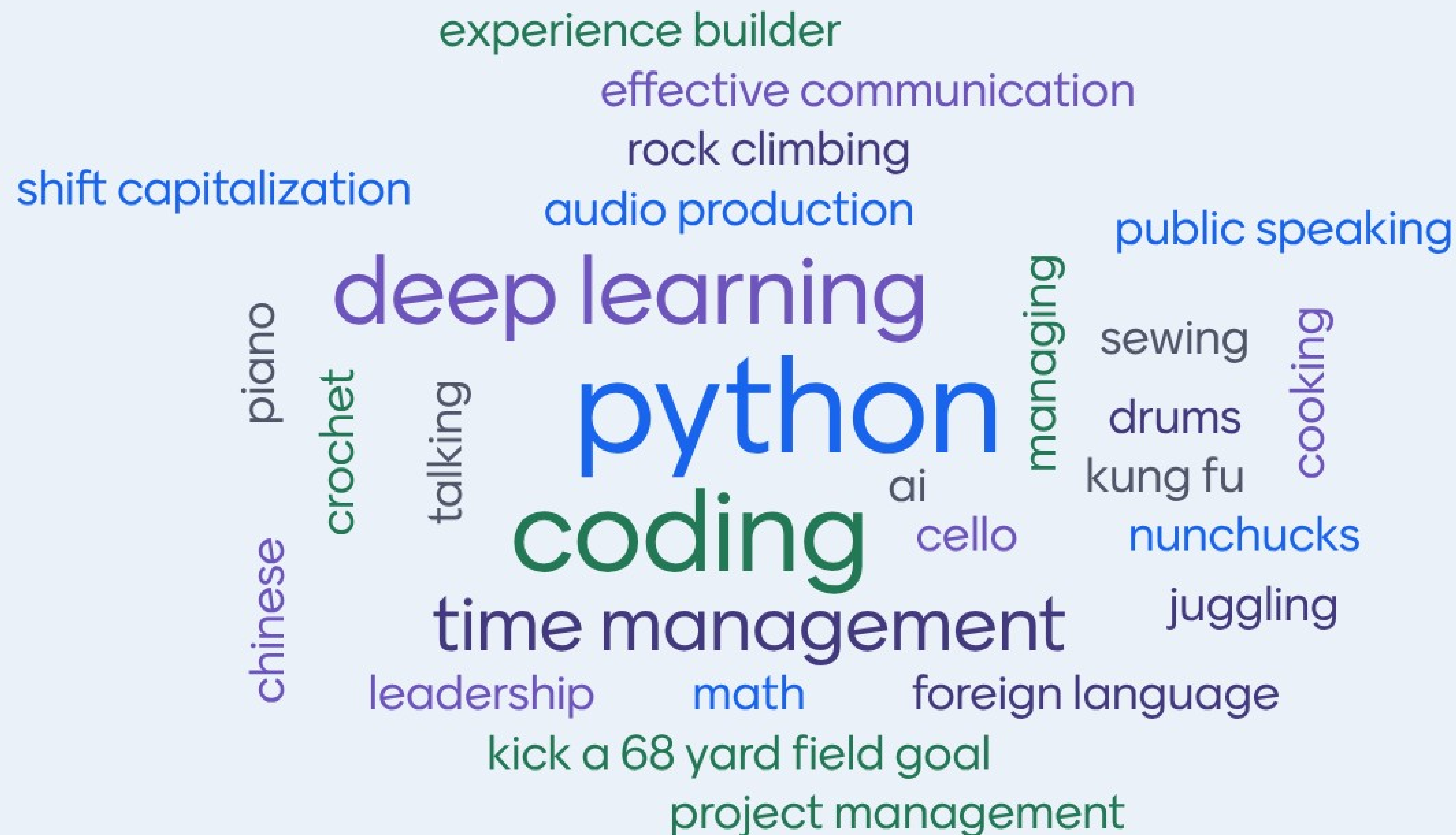
# Mapping the Future: Innovations in Geospatial Technology

Open discussion about the future of geospatial technology and the innovations reshaping industries and communities worldwide





# If you could instantly master any skill, what would you choose?





# Outline

State of GT: biggest advancements over the past 3 years?

Emerging Tech and Tools: What's most exciting *right now*?

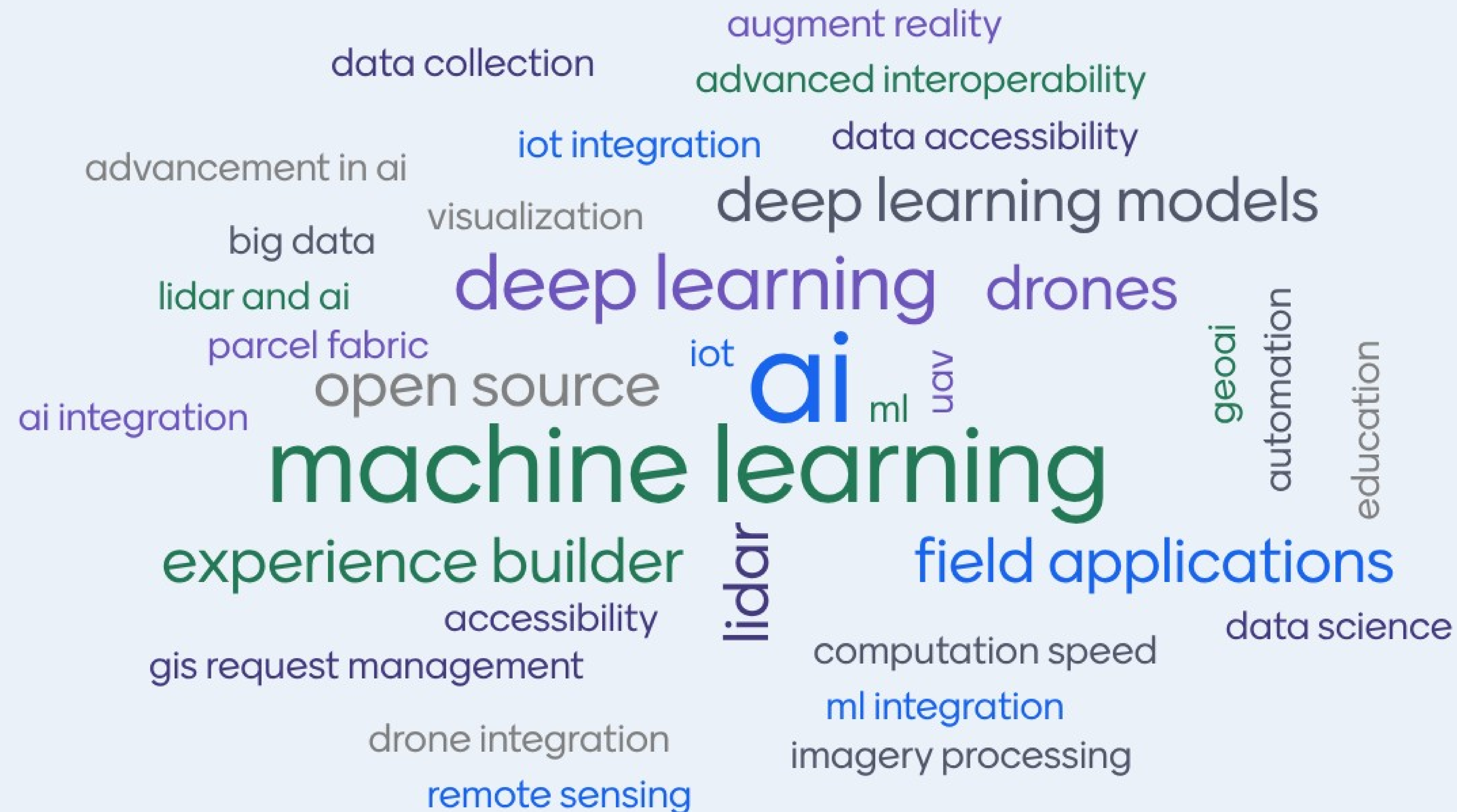
Practical Impact: What is being explored and lessons learned?

What are the risks and limitations to using advanced GT?

What is the biggest barrier in adopting emerging geospatial tech?

To the future: what will define GT over the next decade?

# State of GT: biggest advancements over the past 3 years?





# Emerging Tech and Tools: What's most exciting *right now*?



# Practical Impact: What is being explored and lessons learned?

People still matter

Continue to QC

Training data is very important

GLGO still applies

Non-tech savvy users need to be involved in building the process/workflow they will be using.

How will new tech change processes?

Microsoft integration

The juice aint always worth the lemon, implement new tools strategically

# Practical Impact: What is being explored and lessons learned?

clean and complete  
data matters

work smarter

Keep learning

AI applications not doing  
the desired thing the first  
time is showing us how  
untidy our primary data has  
always been.

Bad data in = bad data  
out

Increased use of live  
mapping applications,  
public access to live data  
and GIS applications that  
are meaningful to non-GIS  
users.

How will staff roles  
change?

GIS is a profession, not  
just a tool to dabble with.



# Practical Impact: What is being explored and lessons learned?

Field collection - use  
arcade to automate as  
much as possible

Troubleshoot  
Troubleshoot  
Troubleshoot!

Trust but verify

Environmental impacts  
of AI

Using AI and not QC

Understanding of the  
benefits of GIS by  
decision makers

# What are the risks and limitations to using advanced GT?

Environmental impacts  
of ai

environmental impacts  
of using ai

Accessibility

Black boxing

The human element  
becoming obsolete

Data quality

lack of QA/QC protocols

Are LLMs being trained  
with your data?

# What are the risks and limitations to using advanced GT?

Loss of knowledge of what we are precisely doing

energy use

water use

Existing data/information quality

over dependance

Relying too much on AI, losing ability to think for myself

Standards

Unrealistic expectations



# What are the risks and limitations to using advanced GT?

lack of regulation

hallicunations

Not changing fast  
enough (being left  
behind)

Usability

"crowdsourced"  
knowledge on  
hyperspeed

\$\$\$

# What is the biggest barrier in adopting emerging geospatial tech?



# To the future: what will define GT over the next decade?





# What most interests you as a future topic or presentation?

