



# Add more intelligence to your processes

*Evgeny Vinogradov, Head of BI Dev*

# Areas

> *Suggestions*

# Areas

- > Suggestions
- > Ranking
- > Scoring
- > Anomaly i

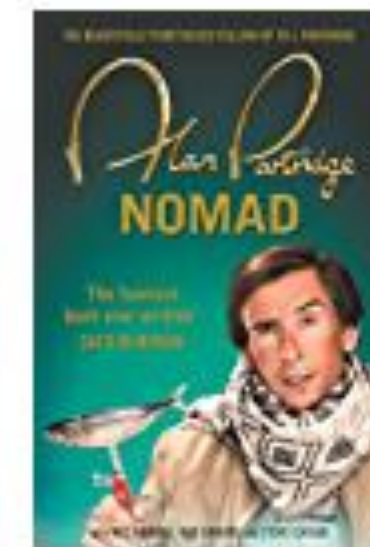
Best Sellers



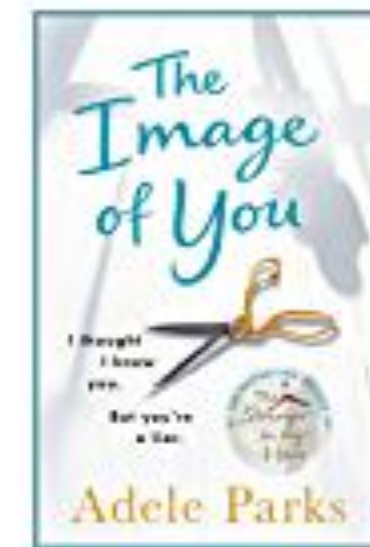
Sweet Little Lies: 'Brilliant .  
.. I read it in one sitting'  
I vnda...



Origin: (Robert Langdon  
Book 5)  
> Dan Brown



Alan Partridge: Nomad  
> Alan Partridge  
★★★★☆ 246



The Image of You  
thought I knew y  
you're a liar.

# Where



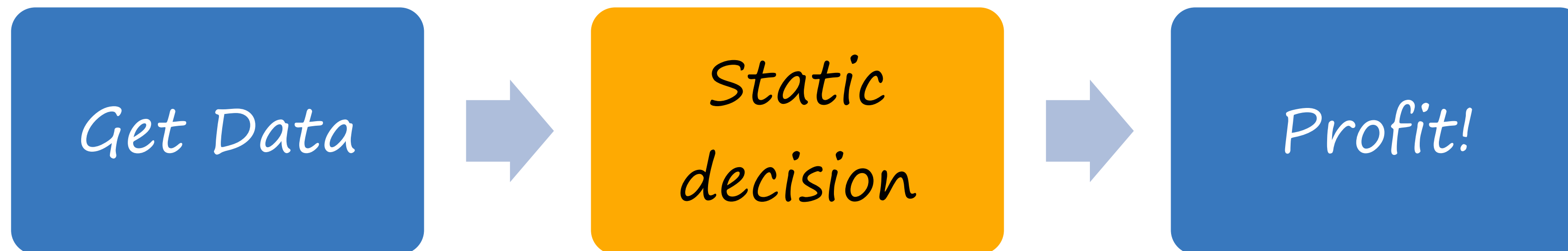
# Initial process



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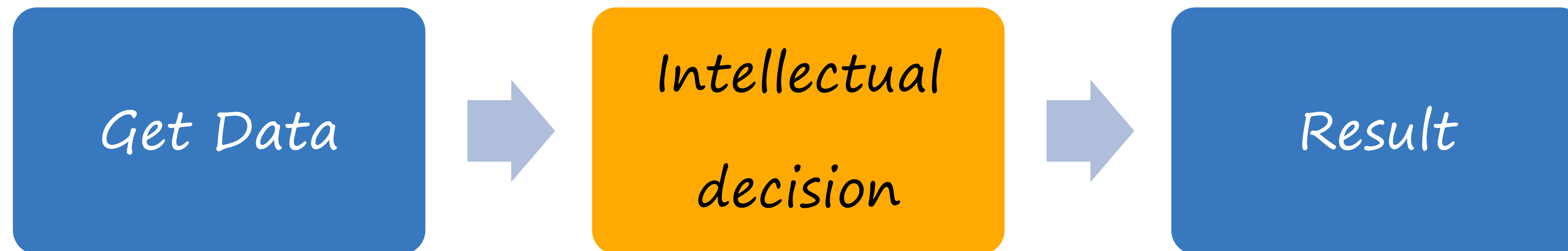
# Where

> *Replace?*

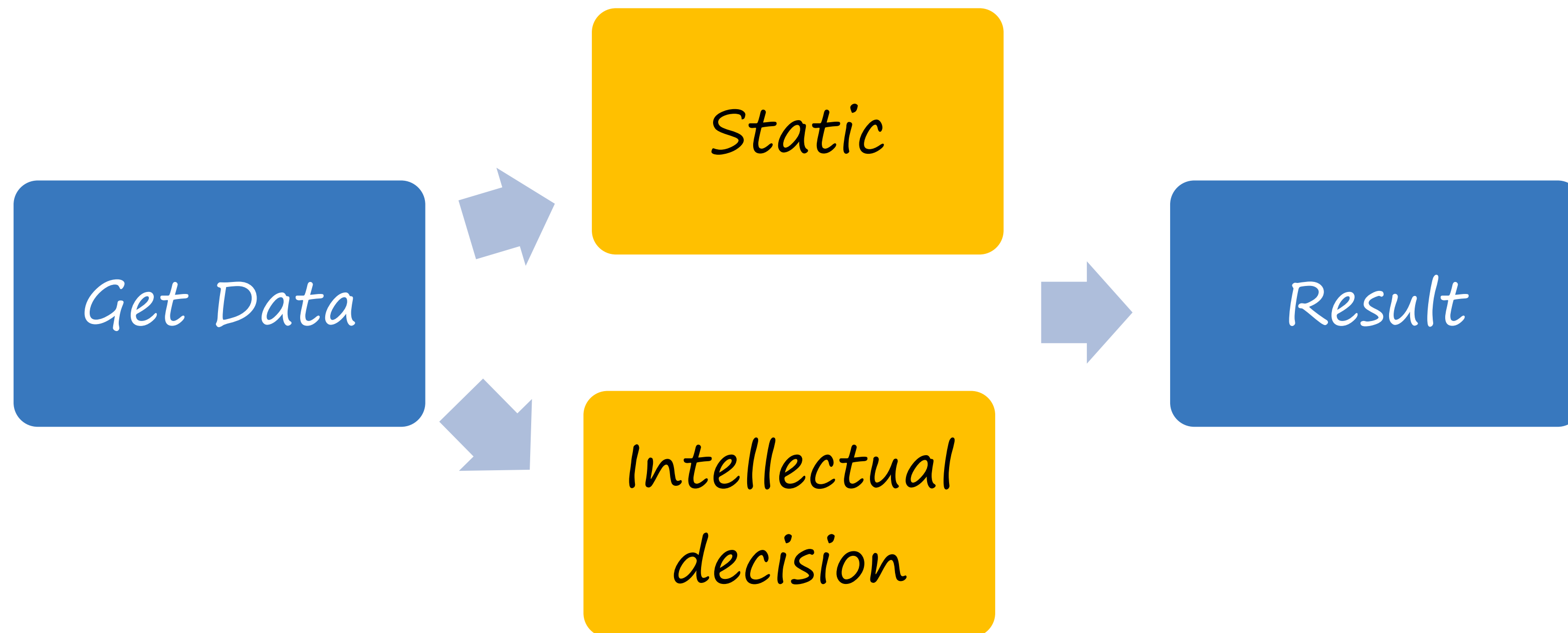
> *Or Add?*



# Desired process



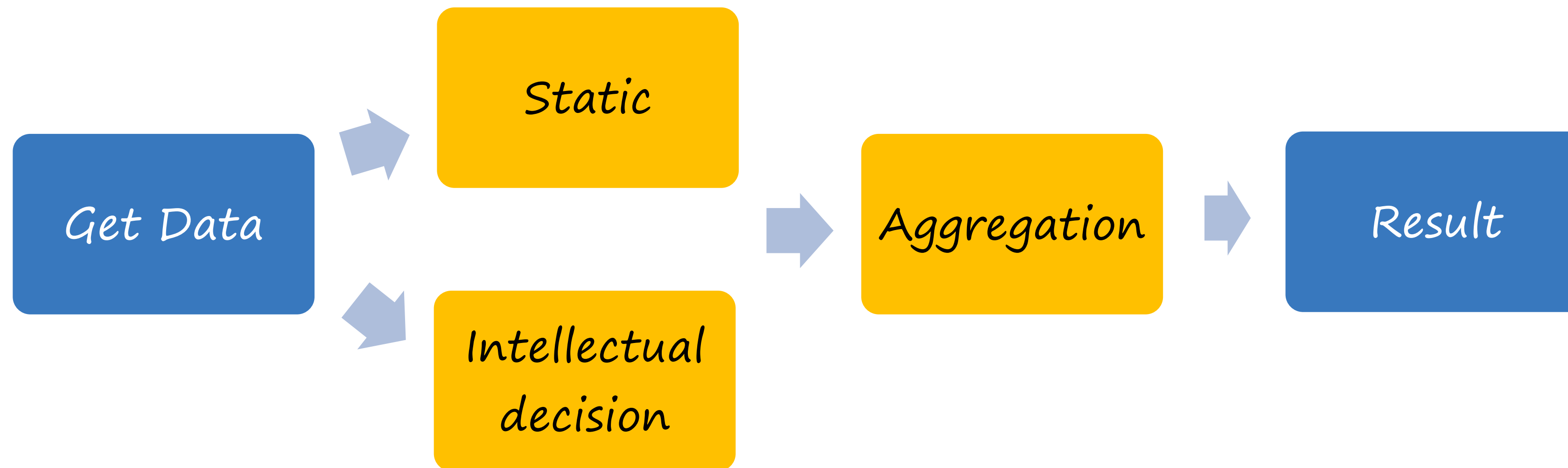
# Desired process



# Evaluation



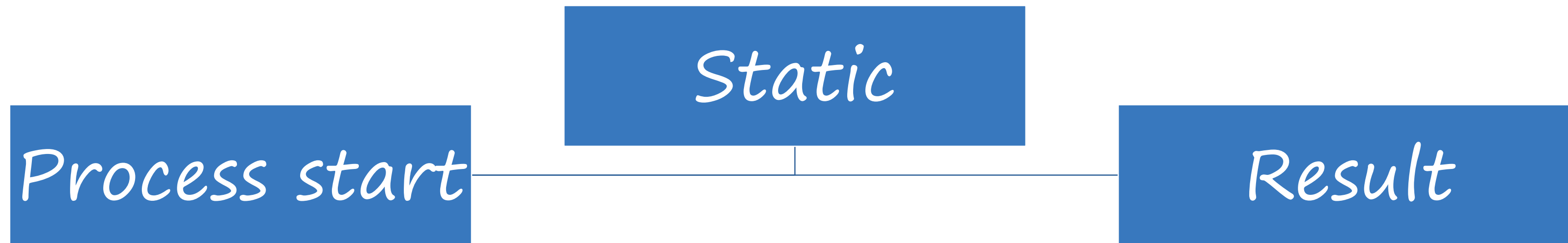
# Desired process



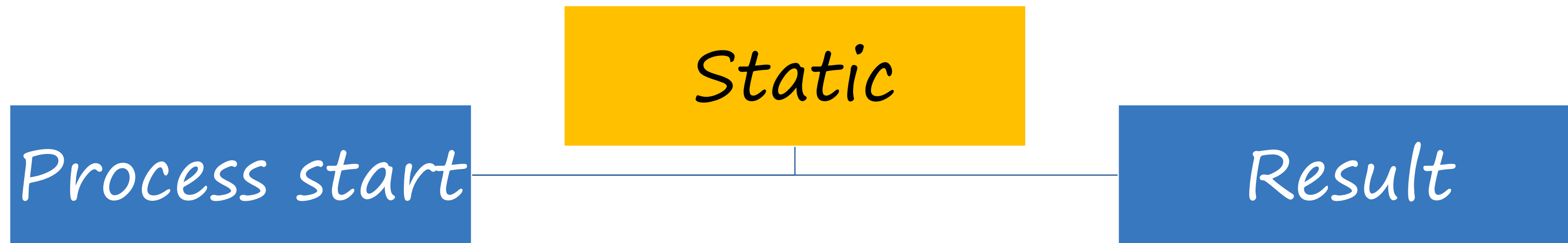
How



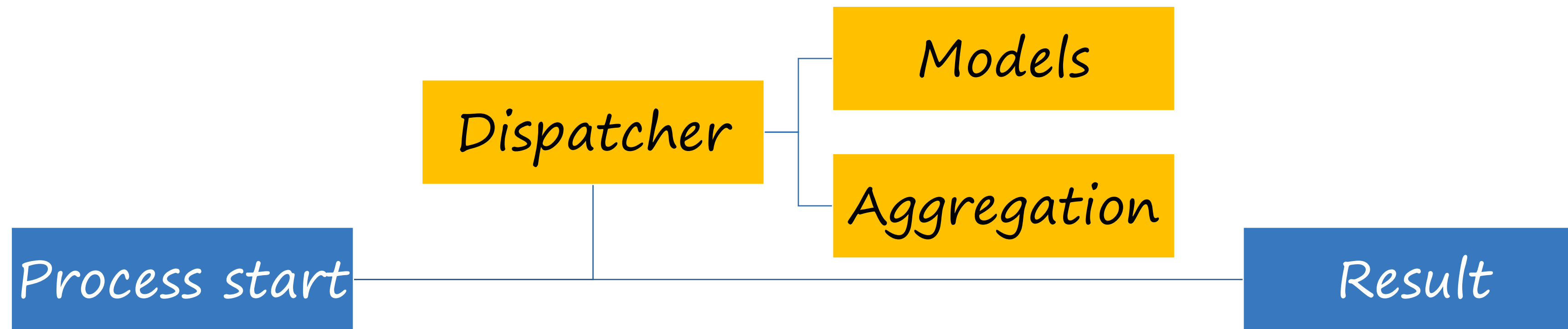
# Components



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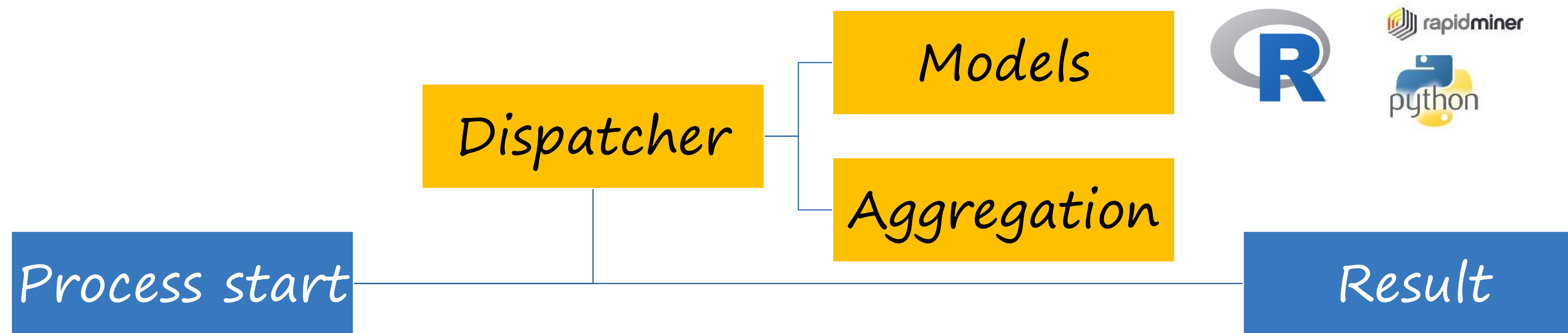


# Dispatcher





# Dispatcher



# Models



# ML-specific stuff

> *Single model*



# Ensembling

> *Bagging*



# Ensembling

- > *Bagging*
- > *Boosting*
- > ...

# Static rules



What else?



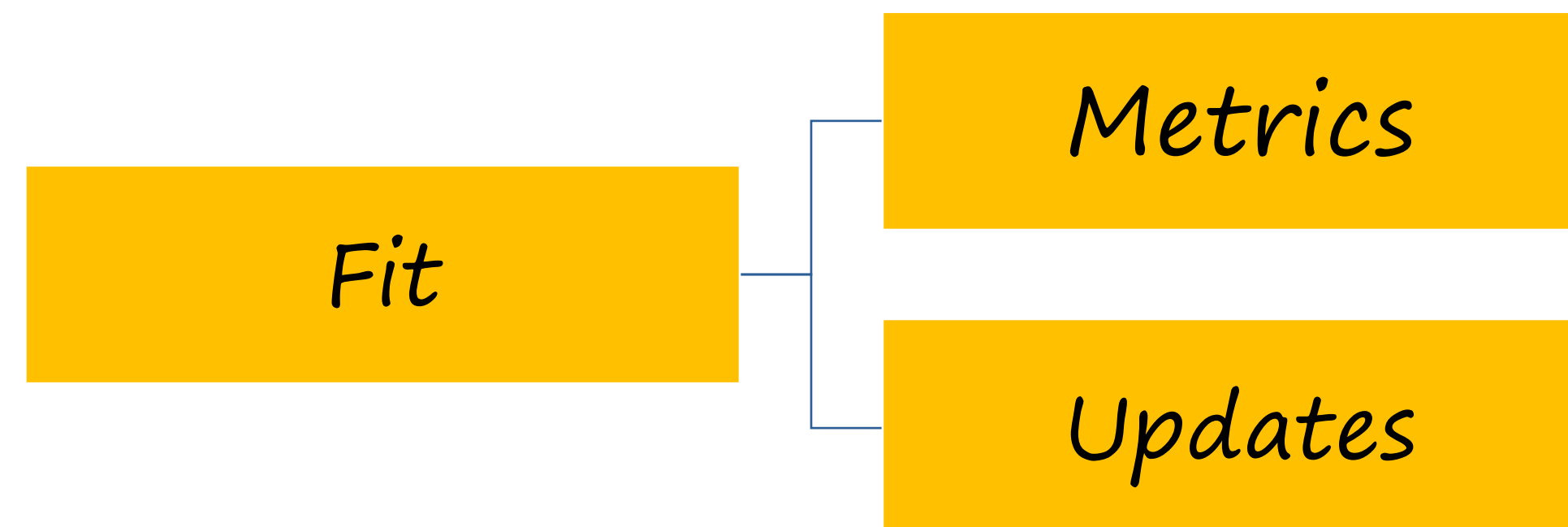
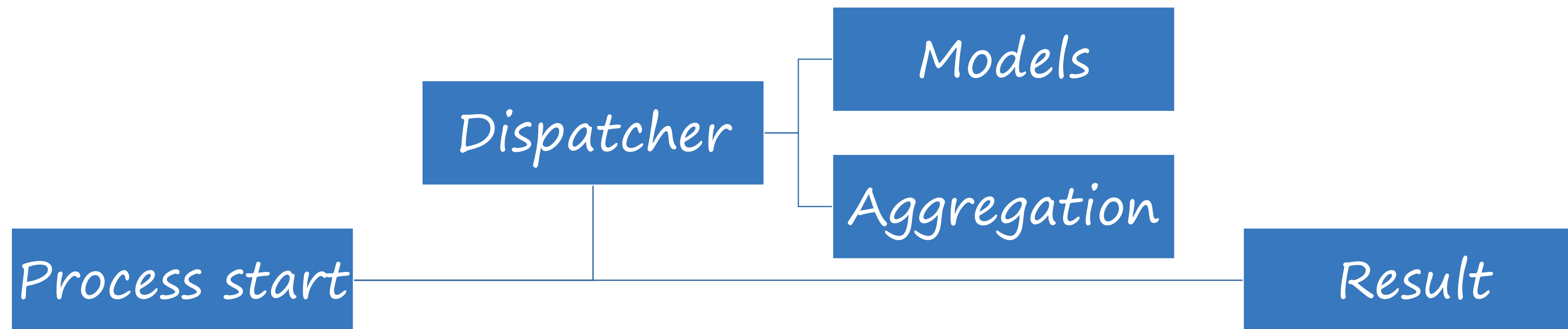
# Feedback loop is very important

> *Metrics Everywhere*

> *Repeat Training phase*



# Dispatcher



# Moreover, realtime intelligence

> *Sigma*

> *Iterative methods*

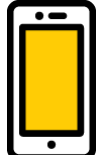
# Key takeaways

- > *Prepare aggregation/ensembling module*
- > *Implement Feedback loop*
- > *Make training faster*

# Questions?

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