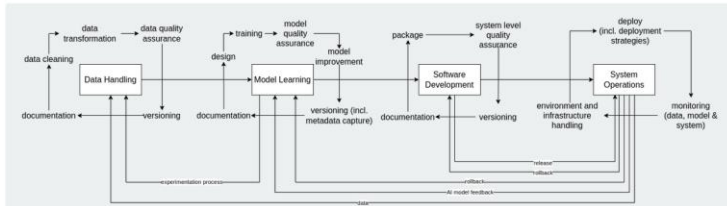


1. The difficulty of development



The following tables contain **two separate questions**, while answering them think about your most mature project:

1. Do you automate a pipeline task?
2. Rate the difficulty of development of each task of an ML pipeline, where low effort describes trivial tasks that do not take more than 2-3 hours and high effort describes complicated tasks that require several full working days to develop.

If you do not develop a certain task, choose "No answer"

To see the definition of a certain task, press on this task (mobile version) or rest your mouse over this task (desktop version).

Data handling stages							
	Automated	Partly automated	Not automated	Low effort	Medium effort	High effort	No answer
Data cleaning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data transformation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data versioning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Model learning stages							
	Automated	Partly automated	Not automated	Low effort	Medium effort	High effort	No answer
Model design	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model training	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model improvement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model versioning (incl. metadata capture)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Software development stages							
	Automated	Partly automated	Not automated	Low effort	Medium effort	High effort	No answer
Package	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
System level quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Software versioning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Software documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

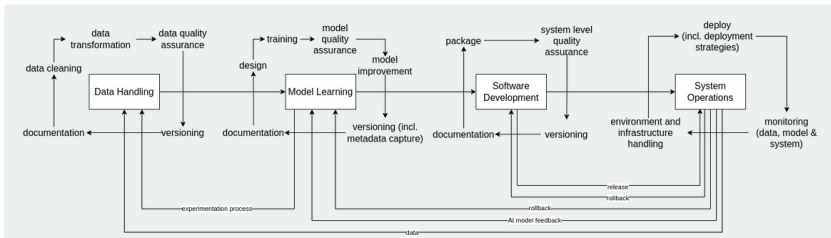
System operations stages							
	Automated	Partly automated	Not automated	Low effort	Medium effort	High effort	No answer
Deployment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Monitoring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Environment and infrastructure handling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Assign 100 points according to the working time spent on the development of each ML stage.

- Only numbers may be entered in these fields.
- The sum must equal 100.
- Each answer must be at least 0

Data handling	<input type="text"/>
Model learning	<input type="text"/>
Software development	<input type="text"/>
System operations	<input type="text"/>
Remaining:	100
Total:	0

2. The importance of different tasks



In your opinion, how important is each task?

To see the definition of a certain task, press on this task (mobile version) or rest your mouse over this task (desktop version).

Data handling stages

	Not important	Low importance	Medium importance	High importance	No answer
Data cleaning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data transformation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data versioning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Data documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Model learning stages

	Not important	Low importance	Medium importance	High importance	No answer
Model design	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model training	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model Improvement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model versioning (incl. metadata capture)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Model documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Software development stages

	Not important	Low importance	Medium importance	High importance	No answer
Package	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
System level quality assurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Software versioning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Software documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

System operations stages

	Not important	Low importance	Medium importance	High importance	No answer
Deployment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Monitoring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Environment and infrastructure handling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Do you consider computing resources when automating ML tasks?
 Computing resources are for example the CPU/GPU necessary for the data transformation tasks

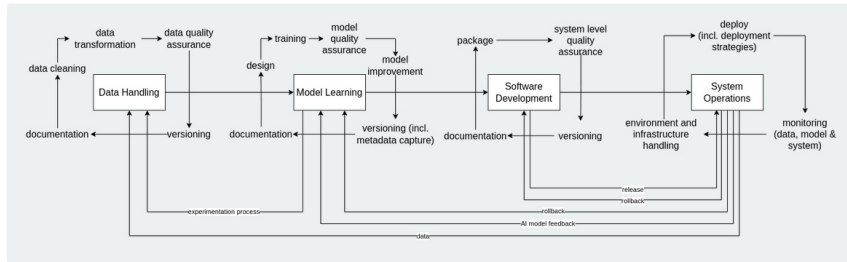
Choose one of the following answers

- Yes
- No

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3. Resource-intensity



Each stage of an ML pipeline demands computing resources differently. Choose a maximum of 5 of the most resource-intensive phases and rank them from the most resource-intensive to the least.

To see the definition of a certain task, press on this task (mobile version) or rest your mouse over this task (desktop version).

Double-click or drag-and-drop items in the left list to move them to the right - your highest ranking item should be on the top right, moving through to your lowest ranking item.

Please select at most 5 answers

Your choices

- Data cleaning
- Data transformation
- Data quality assurance
- Data versioning
- Data documentation
- Model design
- Model training
- Model quality assurance
- Model improvement
- Model versioning (incl. metadata capture)
- Model documentation
- Package
- System level quality assurance
- Software versioning
- Software documentation
- Deployment
- Monitoring
- Environment and infrastructure handling

Your ranking

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4. Profiling

How many years of experience do you have in the ML-related field?

● Choose one of the following answers

- Less than 1 year
- 1 - 2 years
- 3 - 5 years
- 6 - 10 years
- More than 10 years
- No answer

Have you applied ML Ops practices before?

● Choose one of the following answers

- Yes
- No
- No answer

What type of data do you mostly work with?

● Check all that apply

- Audio
- Text
- Image
- Tabular
- Other:

Which ML models do you apply or which type of problems do you solve?

● Check all that apply

- Bayesian
- Regression
- Instance-based (KNN, SVM)
- Clustering
- Tree-based (Decision trees, random forest)
- Time series
- Artificial Neural Networks
- Other:

In which domains do you work?

● Check all that apply

- Telecom
- Finance
- E-commerce
- Healthcare
- Insurance
- Entertainment
- Gaming
- Travel
- Advertisement
- Other:

What are the main tools, packages, and libraries you use for ML pipeline development?

● Check all that apply

- Apache Airflow
- AWS SageMaker
- Azure ML
- Databricks
- GitLab
- Google AI Platform
- Jenkins
- Kubeflow
- MLflow
- Polyaxon
- Seldon Core
- TensorFlow Extended
- Vahotai
- Google Cloud
- Jupyter (Lab, Notebook)
- Other:

What is the approximate size of your company?

● Choose one of the following answers

- Small (less than 50 employees)
- Medium (50 - 250 employees)
- Large (over 250 employees)
- I'm self-employed
- Currently not employed
- No answer

How many people in your company work on ML-related tasks?

● Only numbers may be entered in this field.

Which gender do you identify yourself with?

Female Male No answer

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Submit