Résultats

Questionnaire 111236

Nombre d'enregistrement(s) pour cette requête :	85
Nombre total d'enregistrements pour ce questionnaire :	85
Pourcentage du total :	100.00%

Résumé du champ pour W1

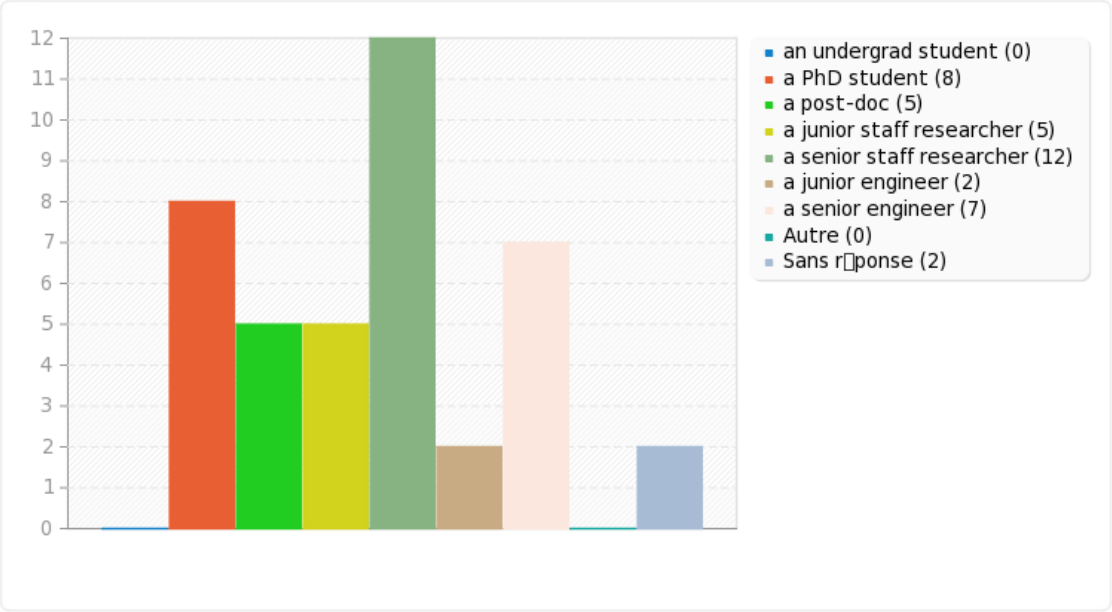
You are:

Réponse	Décompte	Pourcentage
an undergrad student (A1)	0	0.00%
a PhD student (A2)	8	19.51%
a post-doc (A3)	5	12.20%
a junior staff researcher (A4)	5	12.20%
a senior staff researcher (A5)	12	29.27%
a junior engineer (A6)	2	4.88%
a senior engineer (A7)	7	17.07%
Autre	0	0.00%
Sans réponse	2	4.88%

Identifiant (ID)	Réponse

Résumé du champ pour W1

You are:



Résumé du champ pour W2

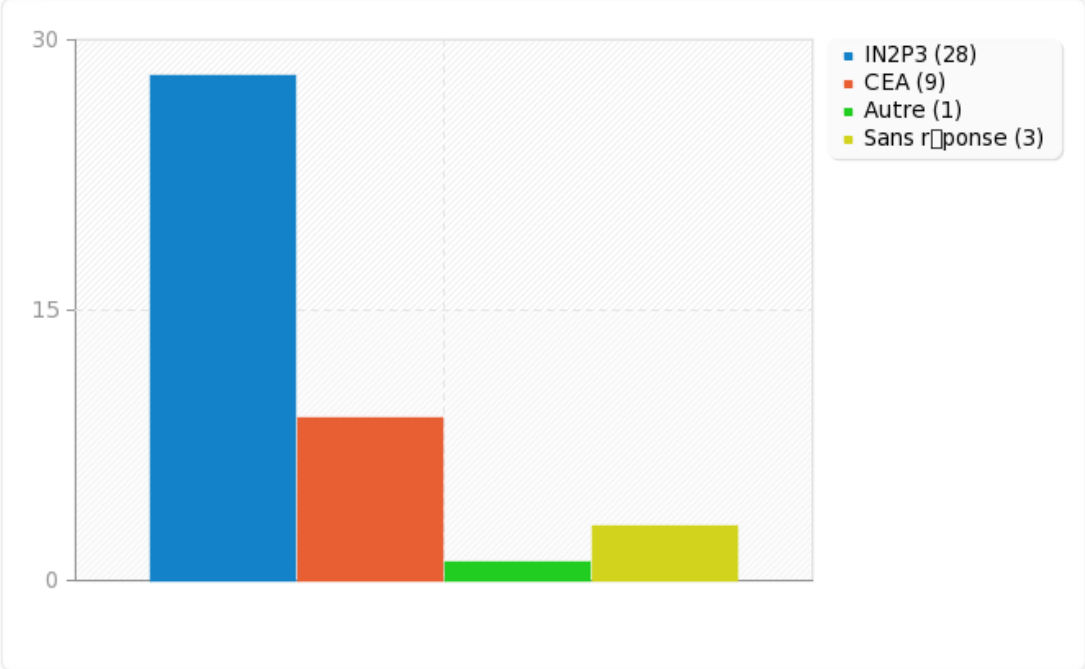
You are from :

Réponse	Décompte	Pourcentage
IN2P3 (A1)	28	68.29%
CEA (A2)	9	21.95%
Autre	1	2.44%
Sans réponse	3	7.32%

Identifiant (ID)	Réponse

Résumé du champ pour W2

You are from :



Résumé du champ pour W3

Anything else you would like to say about you (which would not fit elsewhere in this survey)? Please note you should be able at any point to come back here with the "Previous" button (bottom left).

Réponse	Décompte	Pourcentage
Réponse	2	4.88%
Sans réponse	39	95.12%

Identifiant (ID)	Réponse
13	good, when are the next event ?
31	(Astro)Physicist turned research engineer

Résumé du champ pour E0

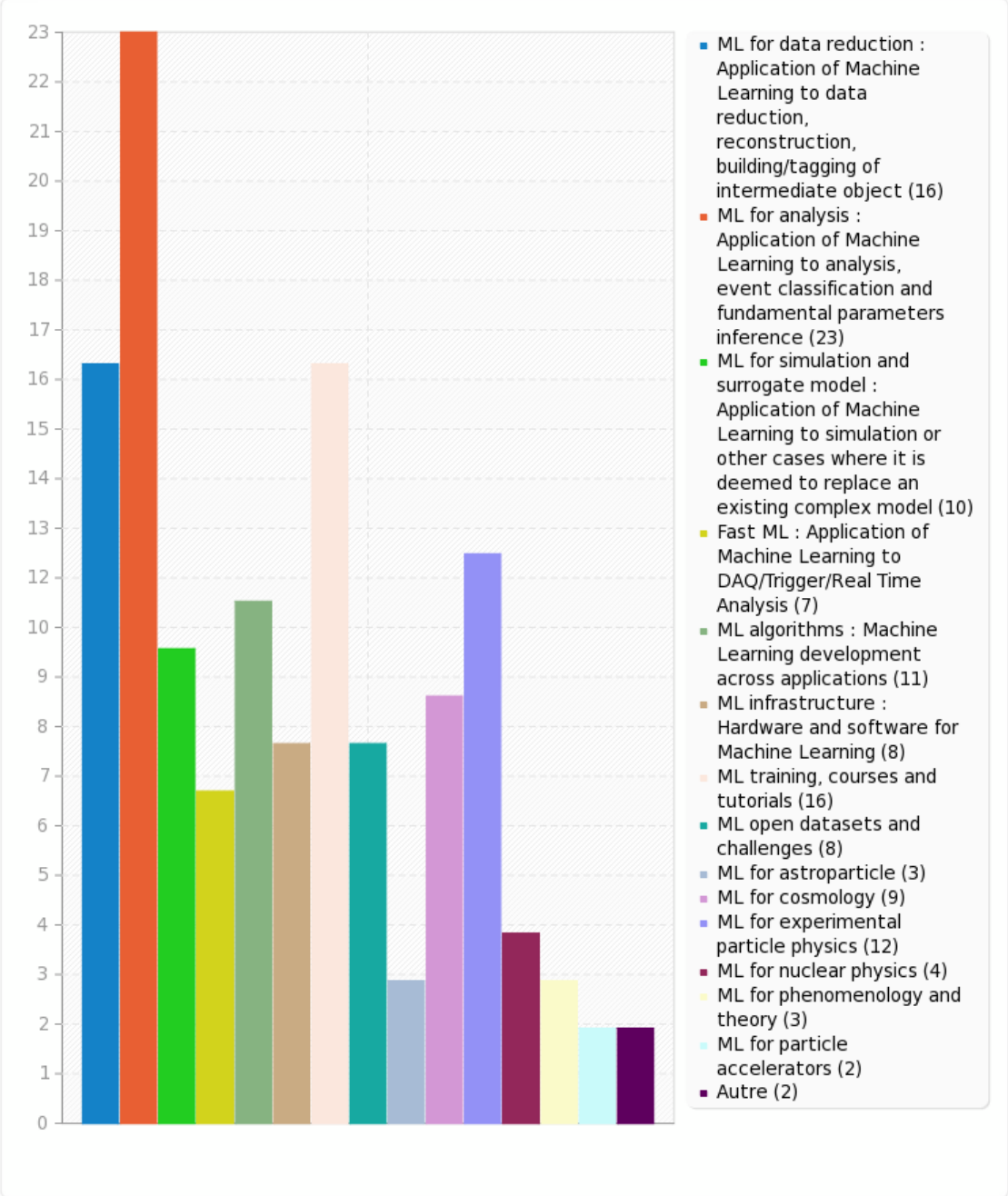
You've been working on or you plan to work on in the near future:

Réponse	Décompte	Pourcentage
ML for data reduction : Application of Machine Learning to data reduction, reconstruction, building/tagging of intermediate object (SQ002)	16	48.48%
ML for analysis : Application of Machine Learning to analysis, event classification and fundamental parameters inference (SQ003)	23	69.70%
ML for simulation and surrogate model : Application of Machine Learning to simulation or other cases where it is deemed to replace an existing complex model (SQ004)	10	30.30%
Fast ML : Application of Machine Learning to DAQ/Trigger/Real Time Analysis (SQ005)	7	21.21%
ML algorithms : Machine Learning development across applications (SQ006)	11	33.33%
ML infrastructure : Hardware and software for Machine Learning (SQ007)	8	24.24%
ML training, courses and tutorials (SQ008)	16	48.48%
ML open datasets and challenges (SQ009)	8	24.24%
ML for astroparticle (SQ010)	3	9.09%
ML for cosmology (SQ015)	9	27.27%
ML for experimental particle physics (SQ011)	12	36.36%
ML for nuclear physics (SQ012)	4	12.12%
ML for phenomenology and theory (SQ013)	3	9.09%
ML for particle accelerators (SQ014)	2	6.06%
Autre	2	6.06%

Identifiant (ID)	Réponse
13	ethologie
56	ML for astronomical image classification

Résumé du champ pour E0

You've been working on or you plan to work on in the near future:



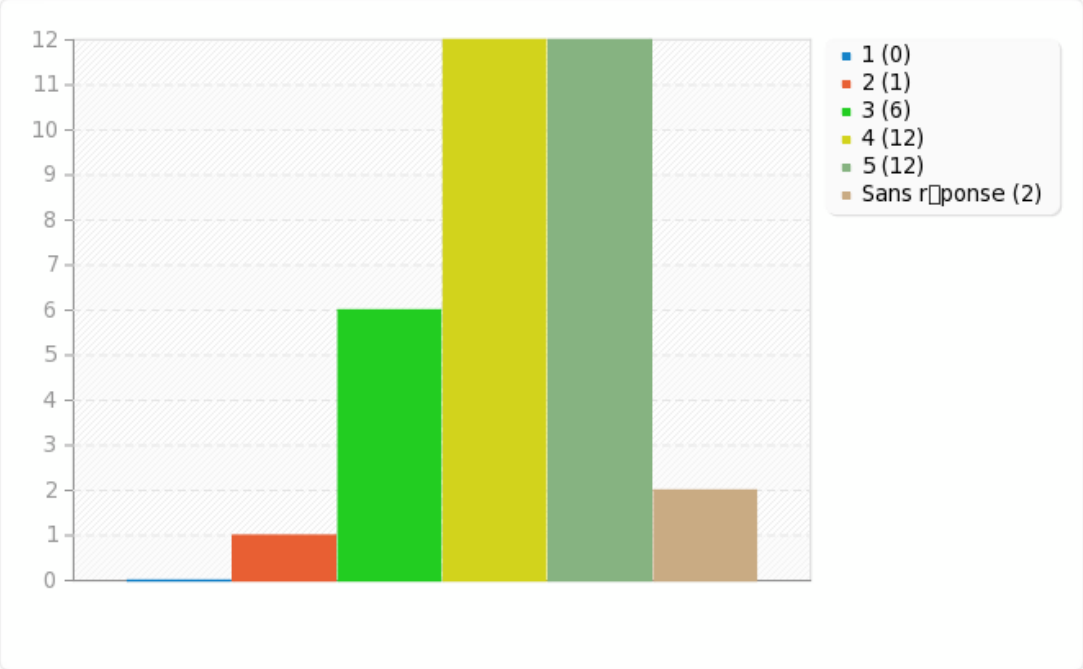
Résumé du champ pour E1(SQ002)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [numpy]

Réponse	Décompte	Pourcentage	Somme
1 (1)	0	0.00%	1.20%
2 (2)	1	1.20%	
3 (3)	6	7.23%	7.23%
4 (4)	12	14.46%	
5 (5)	12	14.46%	28.92%
Sans réponse	2	2.35%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	31	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ002)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [numpy]



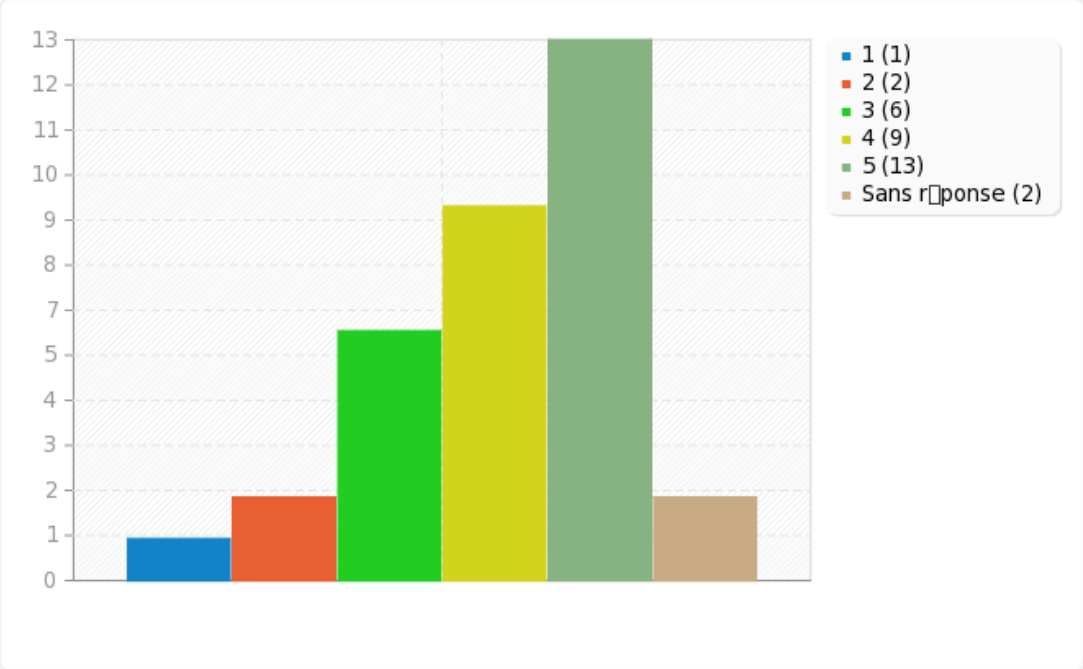
Résumé du champ pour E1(SQ003)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [matplotlib]

Réponse	Décompte	Pourcentage	Somme
1 (1)	1	1.20%	3.61%
2 (2)	2	2.41%	
3 (3)	6	7.23%	7.23%
4 (4)	9	10.84%	
5 (5)	13	15.66%	26.51%
Sans réponse	2	2.35%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	31	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ003)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [matplotlib]



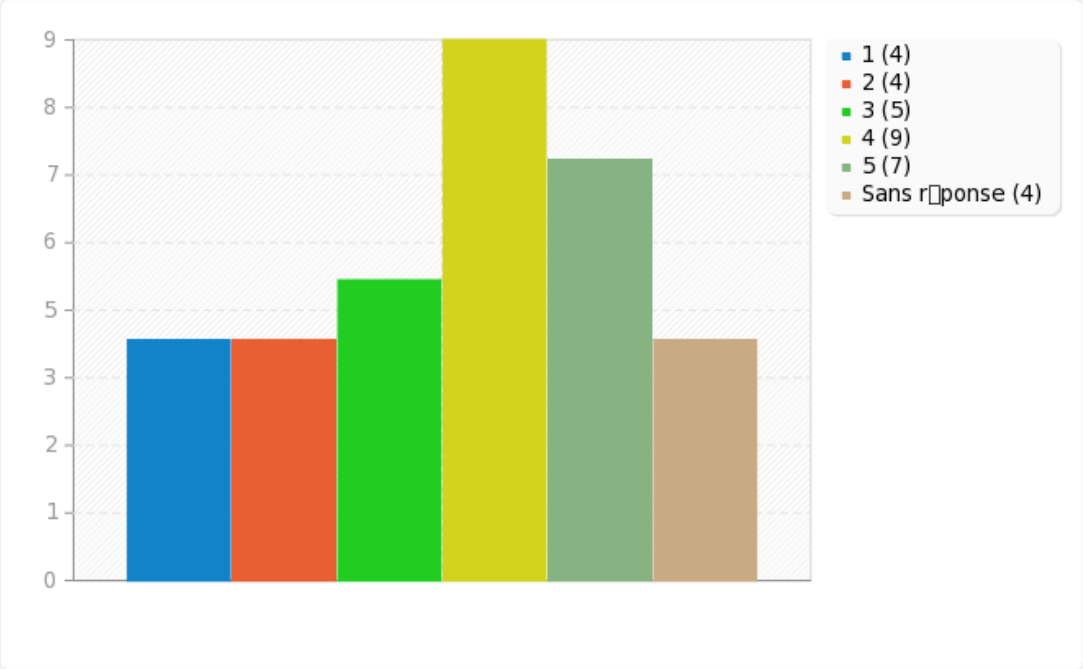
Résumé du champ pour E1(SQ004)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [pandas dataframe]

Réponse	Décompte	Pourcentage	Somme
1 (1)	4	4.94%	9.88%
2 (2)	4	4.94%	
3 (3)	5	6.17%	6.17%
4 (4)	9	11.11%	
5 (5)	7	8.64%	19.75%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ004)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [pandas dataframe]



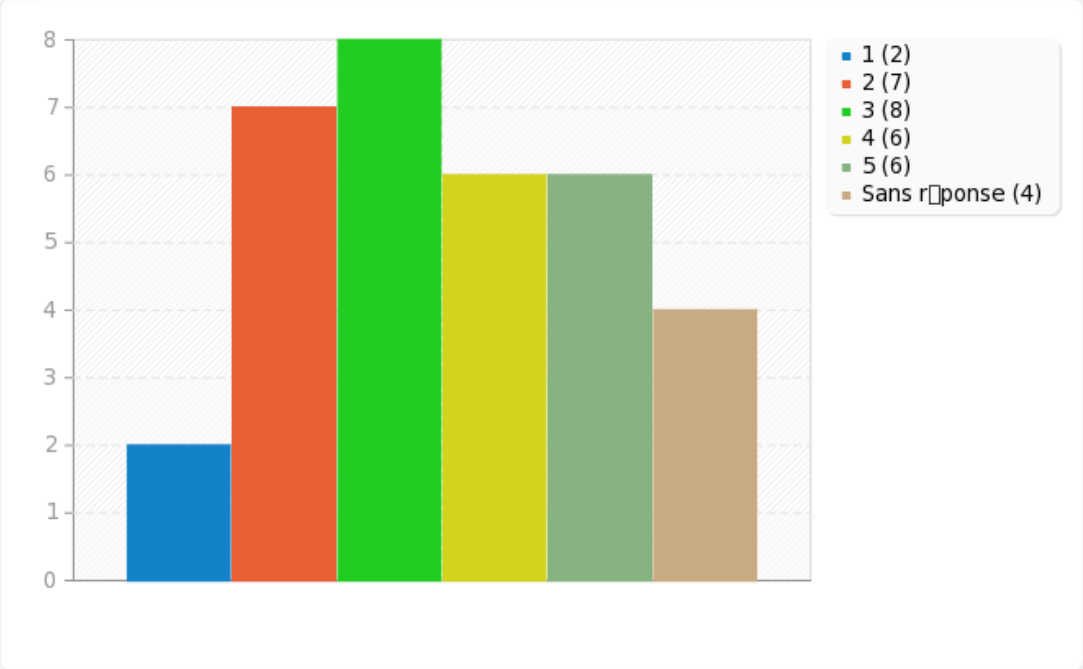
Résumé du champ pour E1(SQ005)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [scikit-learn]

Réponse	Décompte	Pourcentage	Somme
1 (1)	2	2.47%	11.11%
2 (2)	7	8.64%	
3 (3)	8	9.88%	9.88%
4 (4)	6	7.41%	
5 (5)	6	7.41%	14.81%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ005)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [scikit-learn]



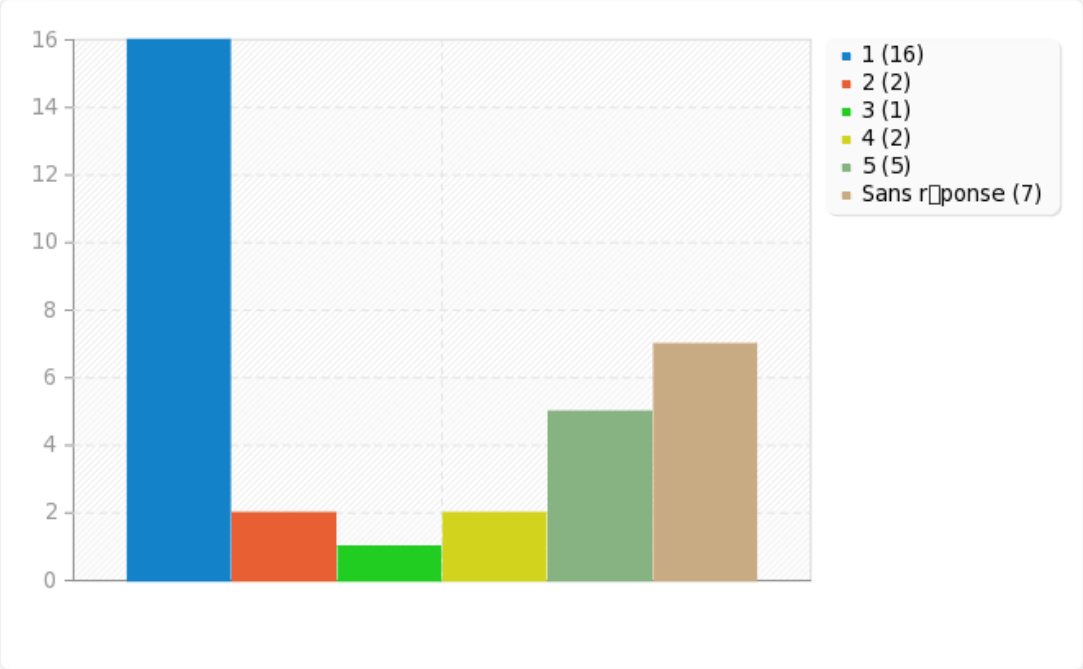
Résumé du champ pour E1(SQ006)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with TMVA]

Réponse	Décompte	Pourcentage	Somme
1 (1)	16	20.51%	23.08%
2 (2)	2	2.56%	
3 (3)	1	1.28%	1.28%
4 (4)	2	2.56%	
5 (5)	5	6.41%	8.97%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ006)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with TMVA]



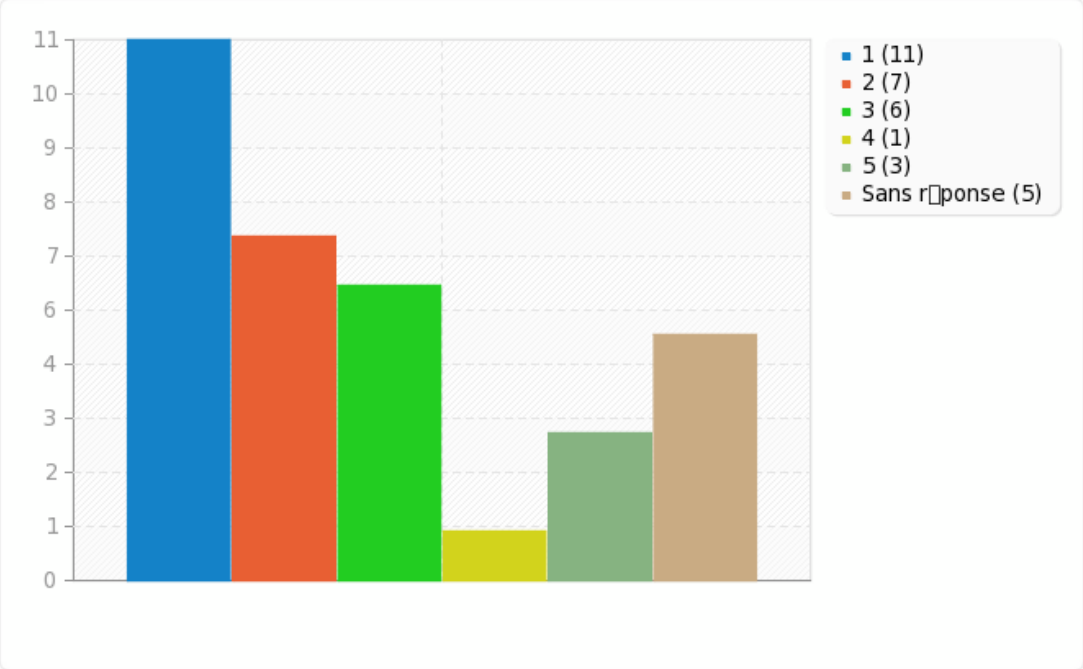
Résumé du champ pour E1(SQ007)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with sk-learn]

Réponse	Décompte	Pourcentage	Somme
1 (1)	11	13.75%	22.50%
2 (2)	7	8.75%	
3 (3)	6	7.50%	7.50%
4 (4)	1	1.25%	
5 (5)	3	3.75%	5.00%
Sans réponse	5	5.88%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	28	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ007)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with sk-learn]



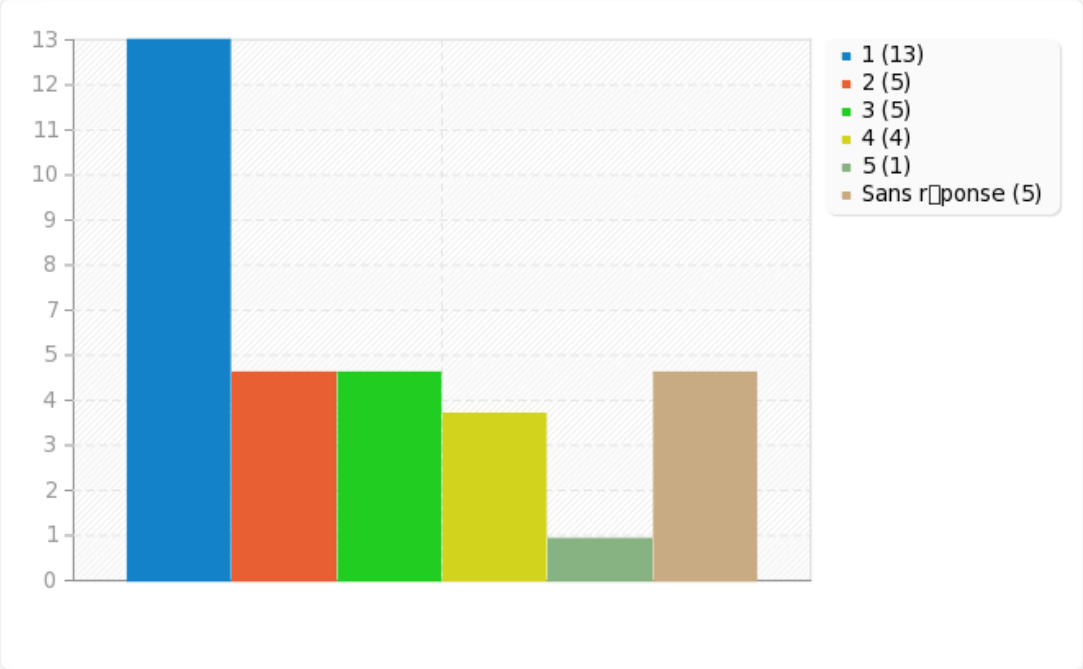
Résumé du champ pour E1(SQ008)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with XGboost]

Réponse	Décompte	Pourcentage	Somme
1 (1)	13	16.25%	22.50%
2 (2)	5	6.25%	
3 (3)	5	6.25%	6.25%
4 (4)	4	5.00%	
5 (5)	1	1.25%	6.25%
Sans réponse	5	5.88%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	28	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ008)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with XGboost]



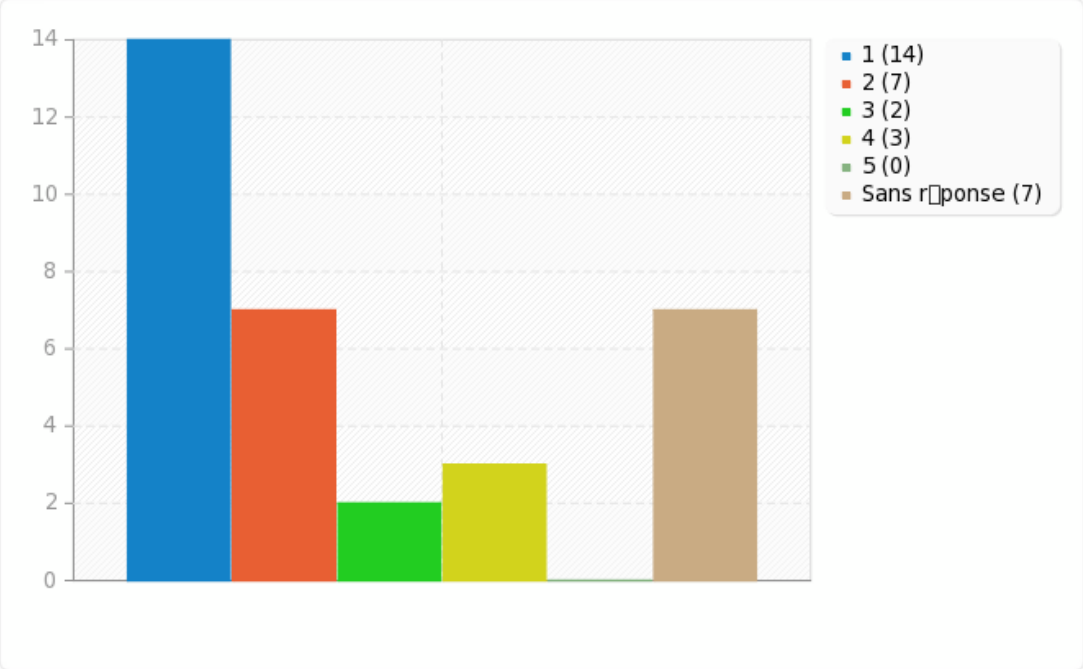
Résumé du champ pour E1(SQ009)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with LightGBM]

Réponse	Décompte	Pourcentage	Somme
1 (1)	14	17.95%	26.92%
2 (2)	7	8.97%	
3 (3)	2	2.56%	2.56%
4 (4)	3	3.85%	
5 (5)	0	0.00%	3.85%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ009)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with LightGBM]



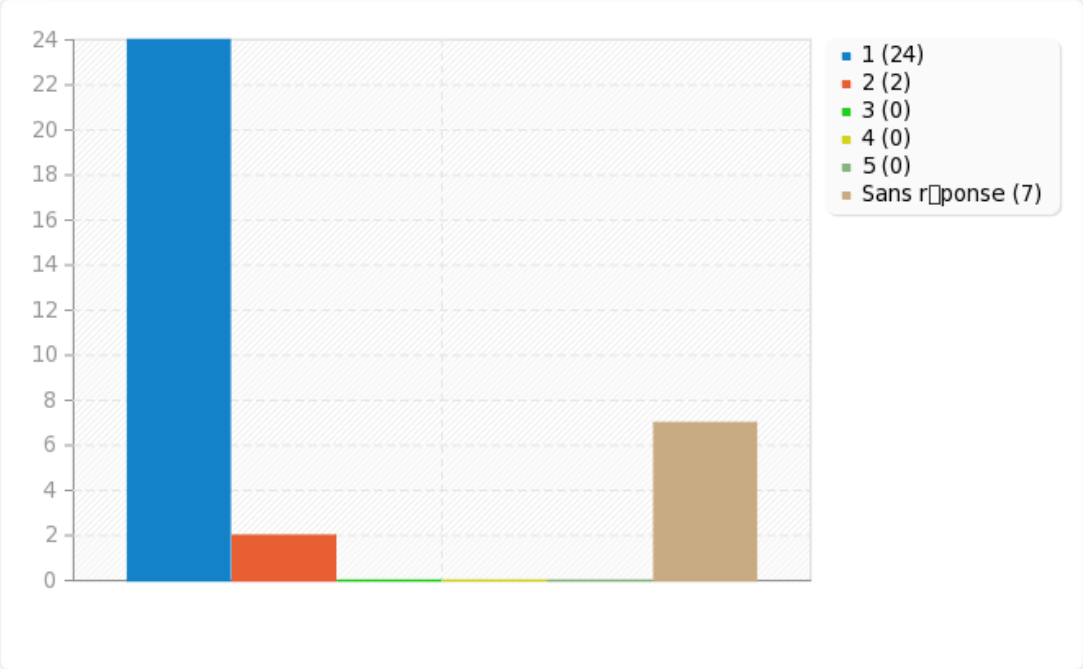
Résumé du champ pour E1(SQ010)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with CatBoost]

Réponse	Décompte	Pourcentage	Somme
1 (1)	24	30.77%	33.33%
2 (2)	2	2.56%	
3 (3)	0	0.00%	0.00%
4 (4)	0	0.00%	
5 (5)	0	0.00%	0.00%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ010)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with CatBoost]



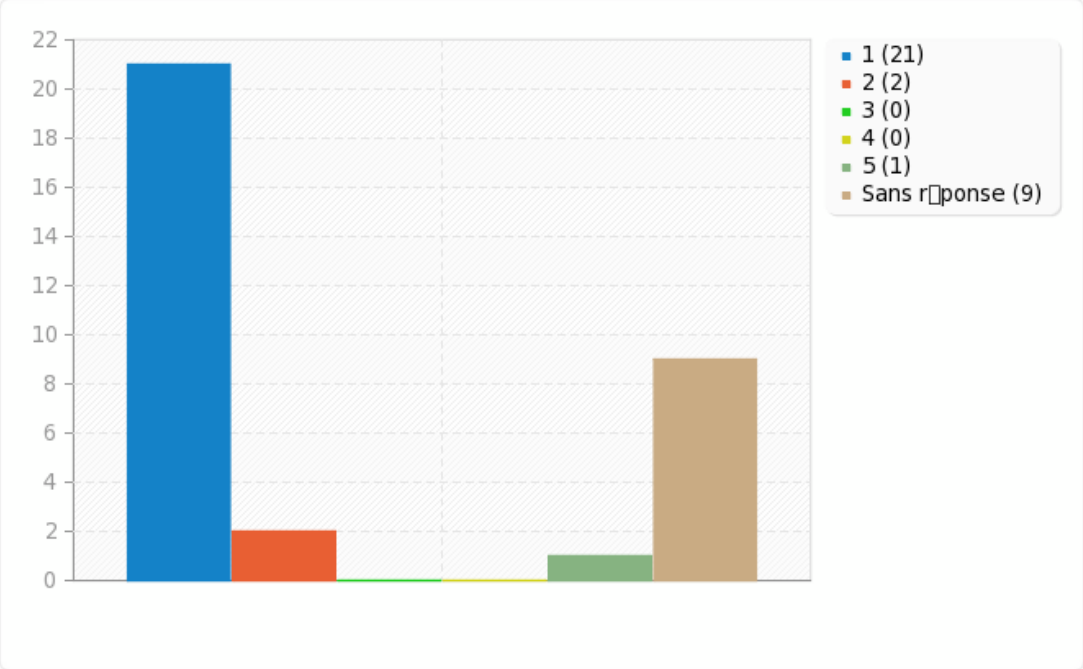
Résumé du champ pour E1(SQ011)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with other software]

Réponse	Décompte	Pourcentage	Somme
1 (1)	21	27.63%	30.26%
2 (2)	2	2.63%	
3 (3)	0	0.00%	0.00%
4 (4)	0	0.00%	
5 (5)	1	1.32%	1.32%
Sans réponse	9	10.59%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	24	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ011)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [BDT with other software]



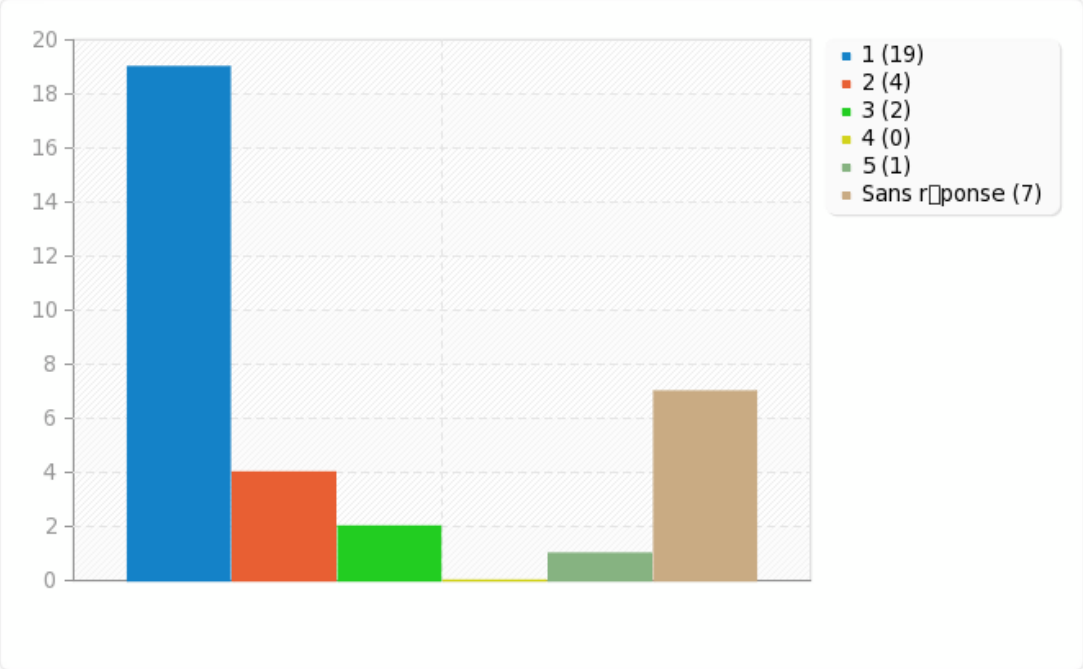
Résumé du champ pour E1(SQ012)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with TMVA]

Réponse	Décompte	Pourcentage	Somme
1 (1)	19	24.36%	29.49%
2 (2)	4	5.13%	
3 (3)	2	2.56%	2.56%
4 (4)	0	0.00%	
5 (5)	1	1.28%	1.28%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ012)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with TMVA]



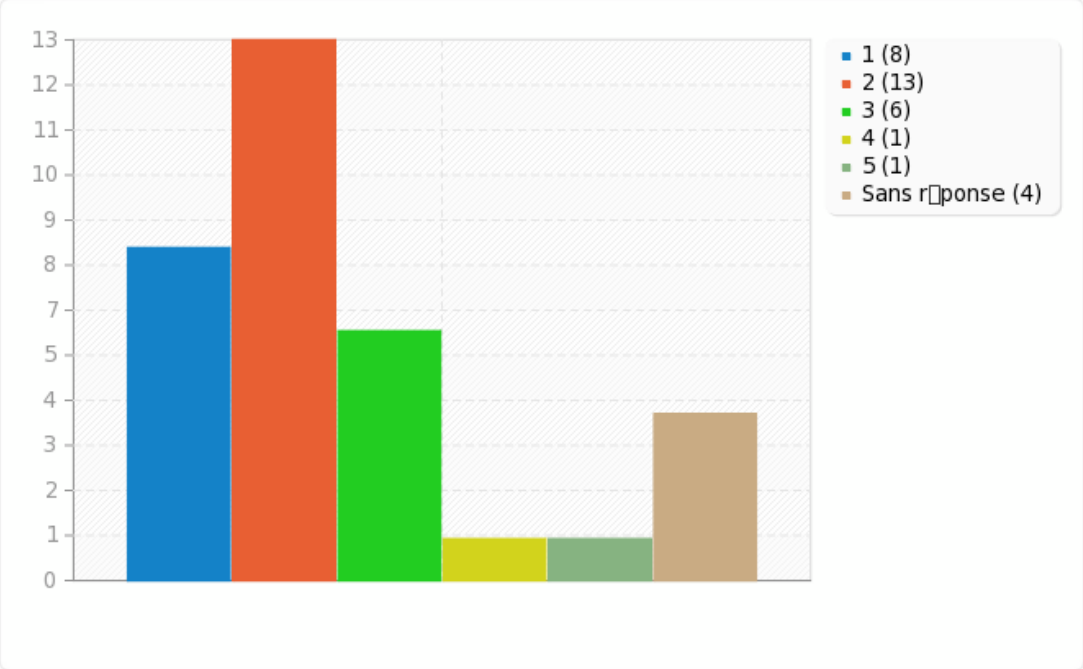
Résumé du champ pour E1(SQ013)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with sk-learn]

Réponse	Décompte	Pourcentage	Somme
1 (1)	8	9.88%	25.93%
2 (2)	13	16.05%	
3 (3)	6	7.41%	7.41%
4 (4)	1	1.23%	
5 (5)	1	1.23%	2.47%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ013)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with sk-learn]



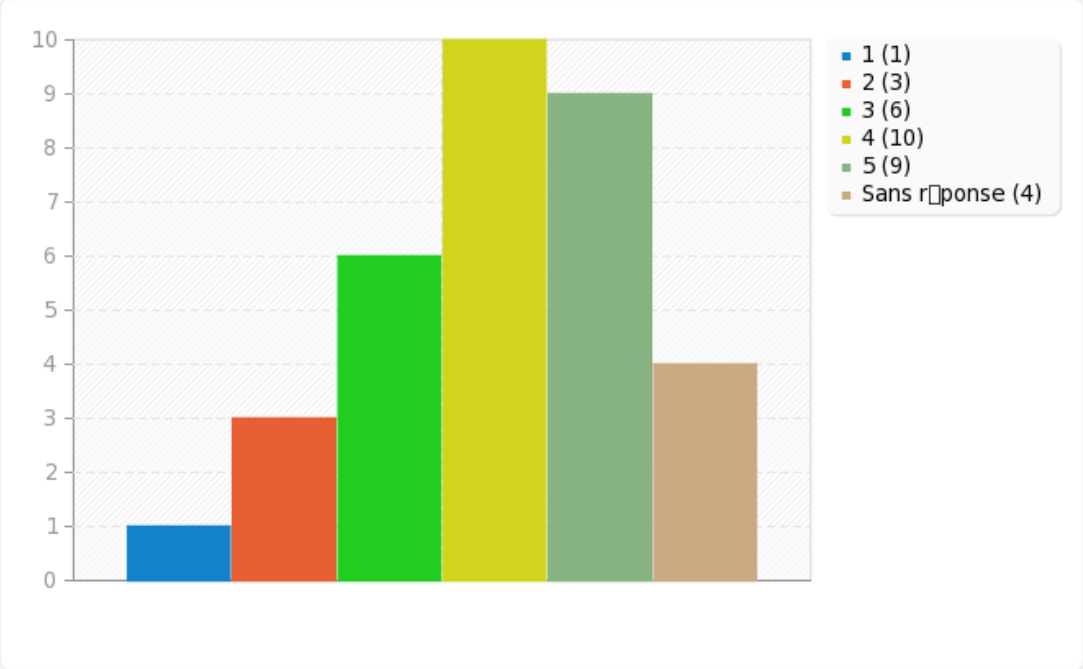
Résumé du champ pour E1(SQ014)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with Keras+Tensorflow]

Réponse	Décompte	Pourcentage	Somme
1 (1)	1	1.23%	4.94%
2 (2)	3	3.70%	
3 (3)	6	7.41%	7.41%
4 (4)	10	12.35%	
5 (5)	9	11.11%	23.46%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ014)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with Keras+Tensorflow]



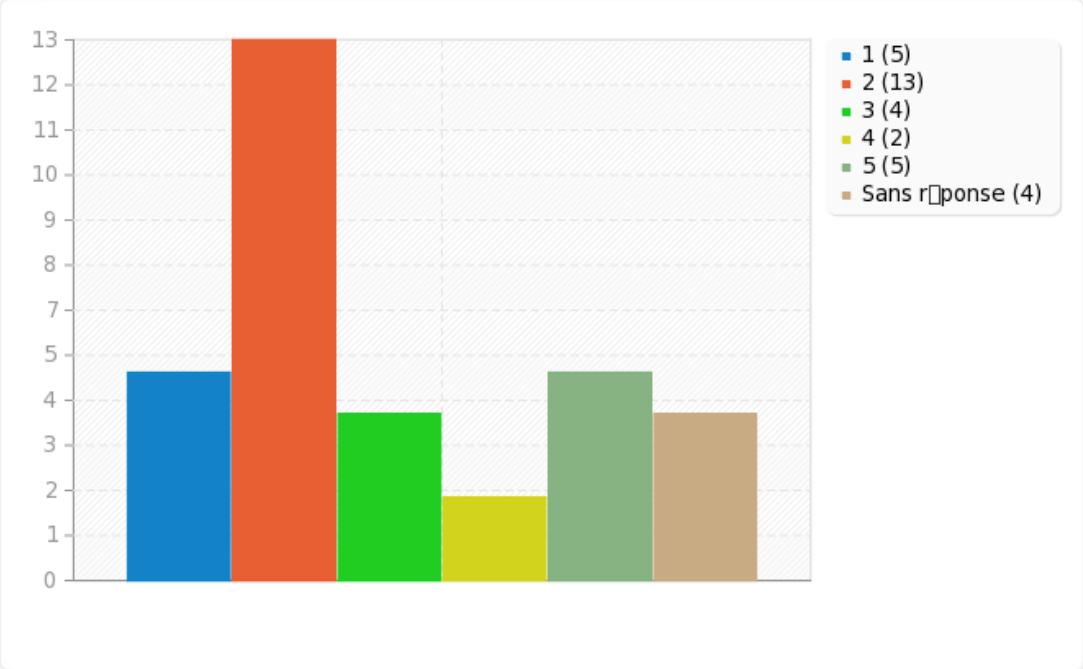
Résumé du champ pour E1(SQ015)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with PyTorch]

Réponse	Décompte	Pourcentage	Somme
1 (1)	5	6.17%	22.22%
2 (2)	13	16.05%	
3 (3)	4	4.94%	4.94%
4 (4)	2	2.47%	
5 (5)	5	6.17%	8.64%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ015)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with PyTorch]



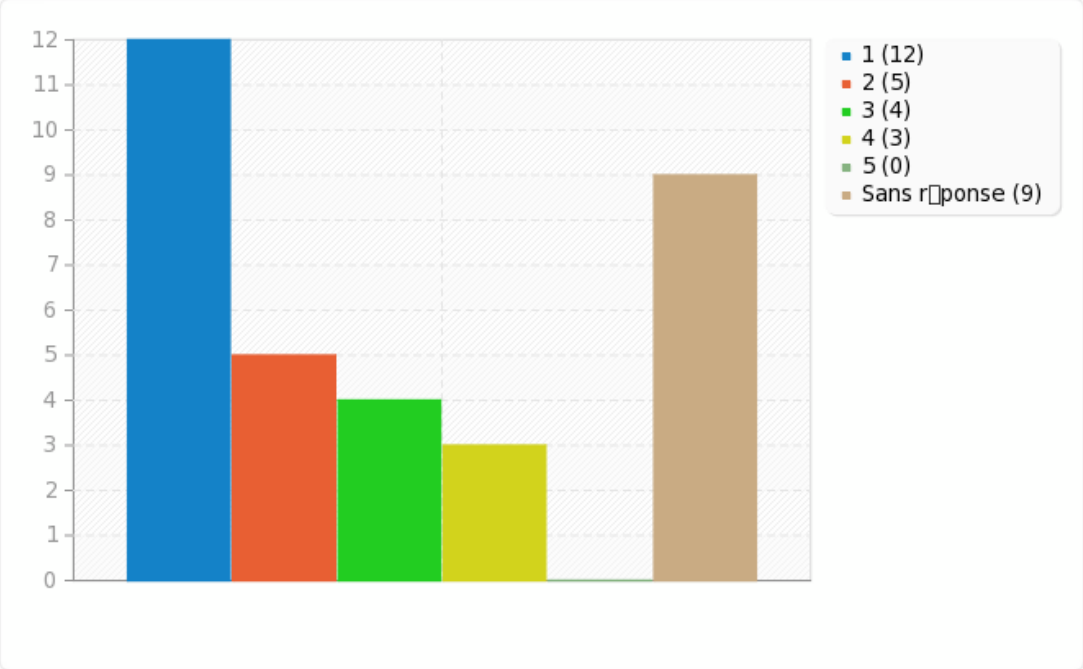
Résumé du champ pour E1(SQ016)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with other software]

Réponse	Décompte	Pourcentage	Somme
1 (1)	12	15.79%	22.37%
2 (2)	5	6.58%	
3 (3)	4	5.26%	5.26%
4 (4)	3	3.95%	
5 (5)	0	0.00%	3.95%
Sans réponse	9	10.59%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	24	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ016)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [NN with other software]



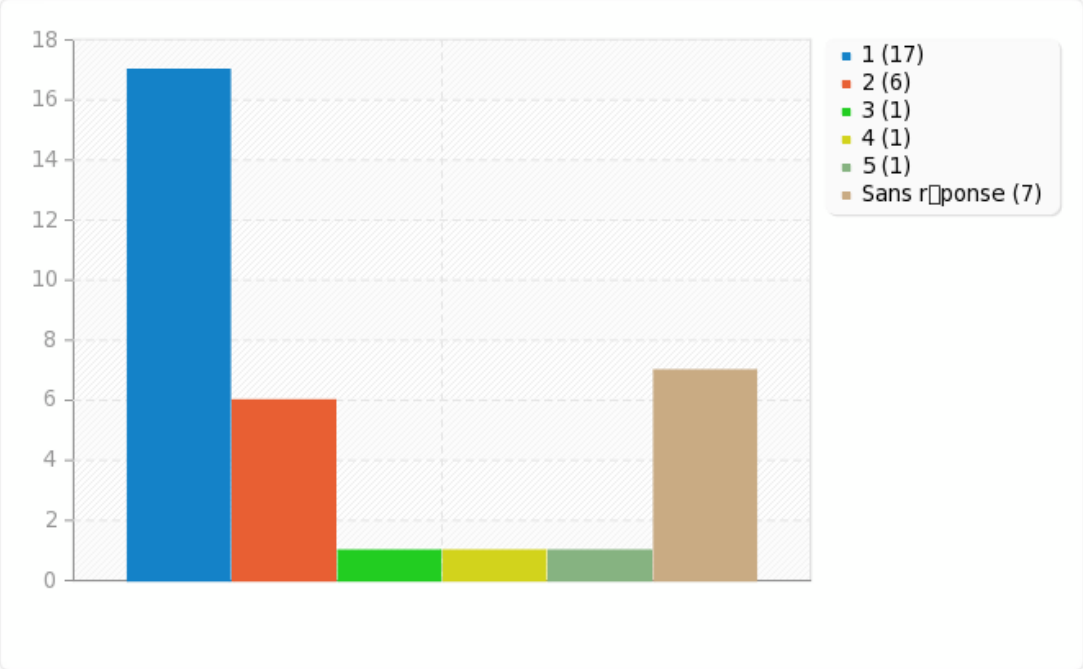
Résumé du champ pour E1(SQ017)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [autodiff with jax]

Réponse	Décompte	Pourcentage	Somme
1 (1)	17	21.79%	29.49%
2 (2)	6	7.69%	
3 (3)	1	1.28%	1.28%
4 (4)	1	1.28%	
5 (5)	1	1.28%	2.56%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E1(SQ017)

How would you characterize your level of expertise from 1 to 5 about a number of items with the following grades 1:have hardly heard about it, 2:have studied several papers/presentation about it, 3:have played with it with data 4:have done one full project with it 5:have done several projects with it. BDT stands for Boosted Decision Tree. NN stands for Neural Networks (all kinds). [autodiff with jax]



Résumé du champ pour E2

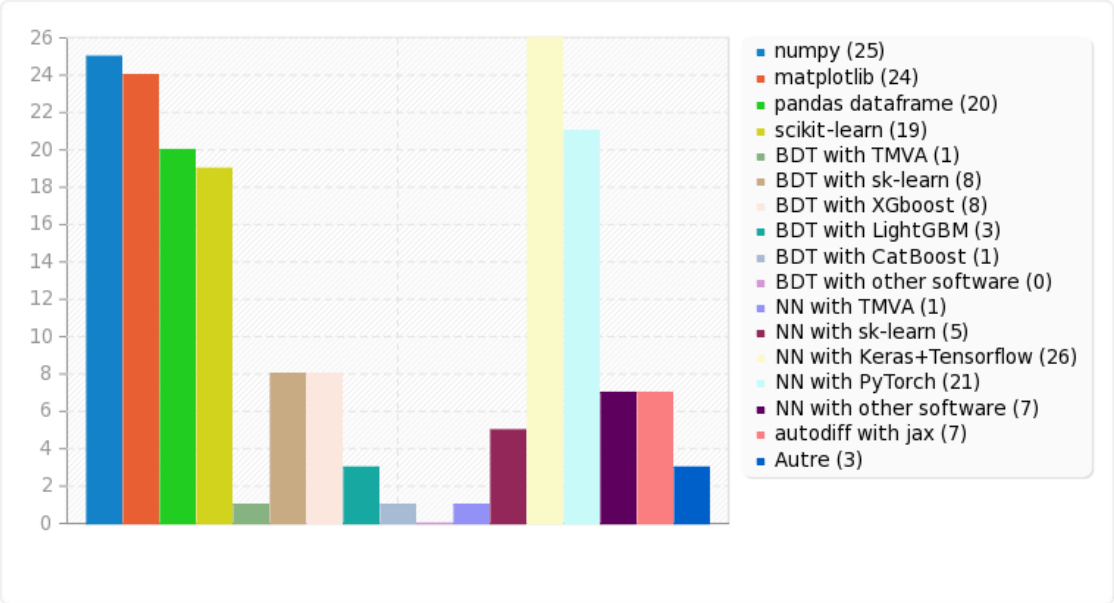
In which of these techniques do you foresee to continue or to invest in the near future ?

Réponse	Décompte	Pourcentage
numpy (SQ002)	25	75.76%
matplotlib (SQ003)	24	72.73%
pandas dataframe (SQ004)	20	60.61%
scikit-learn (SQ005)	19	57.58%
BDT with TMVA (SQ006)	1	3.03%
BDT with sk-learn (SQ007)	8	24.24%
BDT with XGboost (SQ008)	8	24.24%
BDT with LightGBM (SQ009)	3	9.09%
BDT with CatBoost (SQ010)	1	3.03%
BDT with other software (SQ011)	0	0.00%
NN with TMVA (SQ012)	1	3.03%
NN with sk-learn (SQ013)	5	15.15%
NN with Keras+Tensorflow (SQ014)	26	78.79%
NN with PyTorch (SQ015)	21	63.64%
NN with other software (SQ016)	7	21.21%
autodiff with jax (SQ017)	7	21.21%
Autre	3	9.09%

Identifiant (ID)	Réponse
26	ONNX
63	ONNX and MLFlow
69	ONNX, MLFlow

Résumé du champ pour E2

In which of these techniques do you foresee to continue or to invest in the near future ?



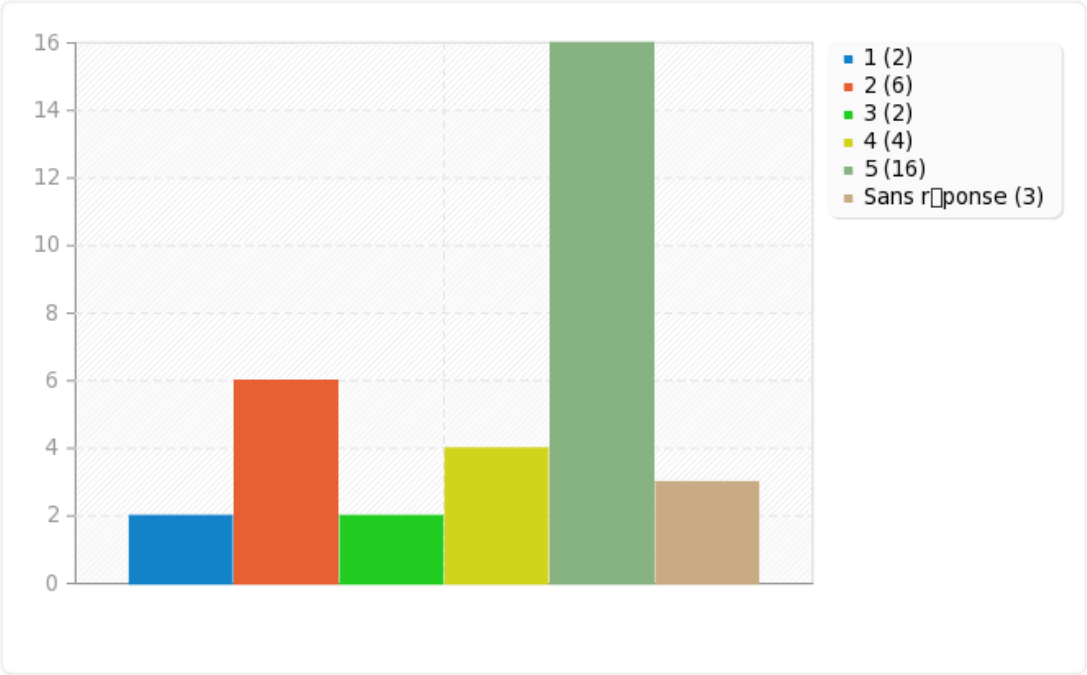
Résumé du champ pour E3(SQ002)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [dense NN]

Réponse	Décompte	Pourcentage	Somme
1 (1)	2	2.44%	9.76%
2 (2)	6	7.32%	
3 (3)	2	2.44%	2.44%
4 (4)	4	4.88%	
5 (5)	16	19.51%	24.39%
Sans réponse	3	3.53%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	30	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ002)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [dense NN]



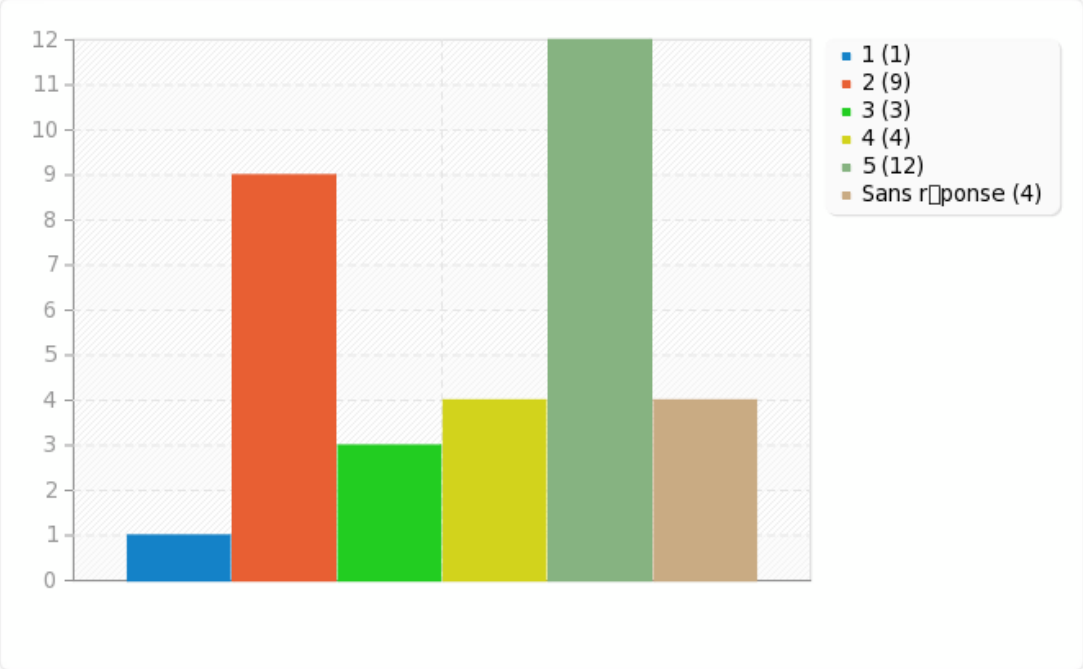
Résumé du champ pour E3(SQ003)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [convolution NN]

Réponse	Décompte	Pourcentage	Somme
1 (1)	1	1.23%	12.35%
2 (2)	9	11.11%	
3 (3)	3	3.70%	3.70%
4 (4)	4	4.94%	
5 (5)	12	14.81%	19.75%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ003)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [convolution NN]



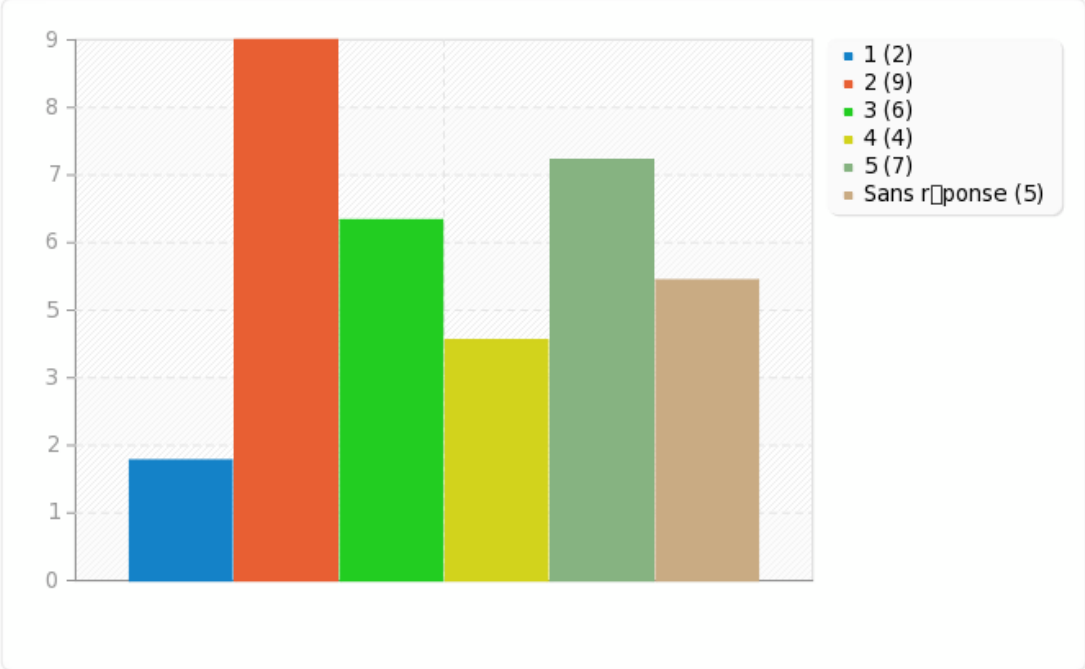
Résumé du champ pour E3(SQ004)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [recurrent NN]

Réponse	Décompte	Pourcentage	Somme
1 (1)	2	2.50%	13.75%
2 (2)	9	11.25%	
3 (3)	6	7.50%	7.50%
4 (4)	4	5.00%	
5 (5)	7	8.75%	13.75%
Sans réponse	5	5.88%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	28	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ004)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [recurrent NN]



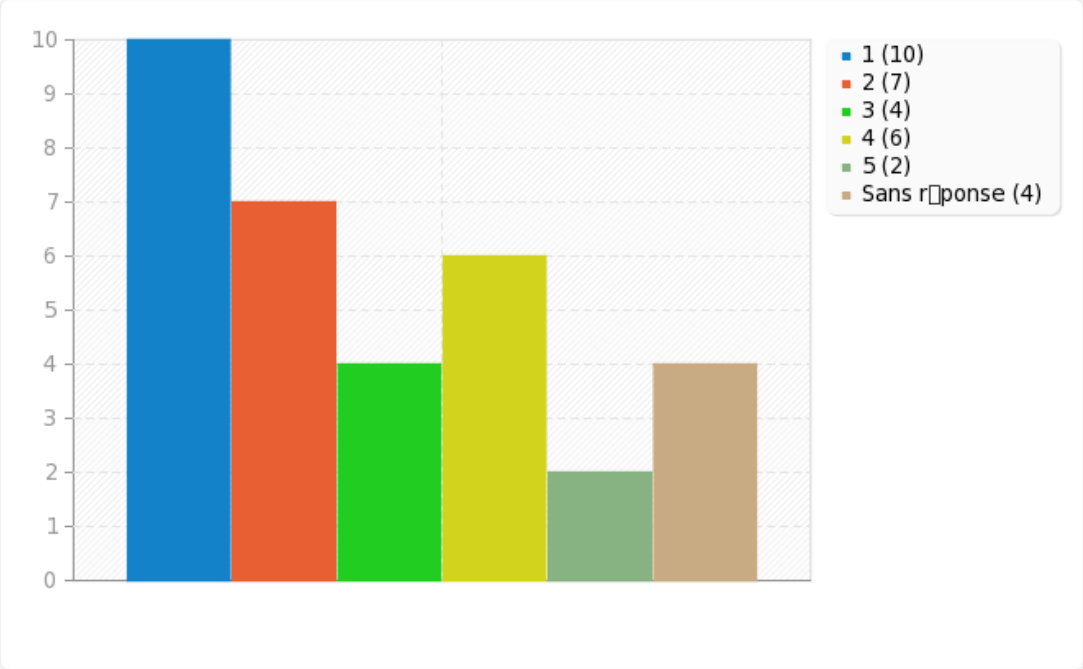
Résumé du champ pour E3(SQ005)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [AE/VAE]

Réponse	Décompte	Pourcentage	Somme
1 (1)	10	12.35%	20.99%
2 (2)	7	8.64%	
3 (3)	4	4.94%	4.94%
4 (4)	6	7.41%	
5 (5)	2	2.47%	9.88%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ005)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [AE/VAE]



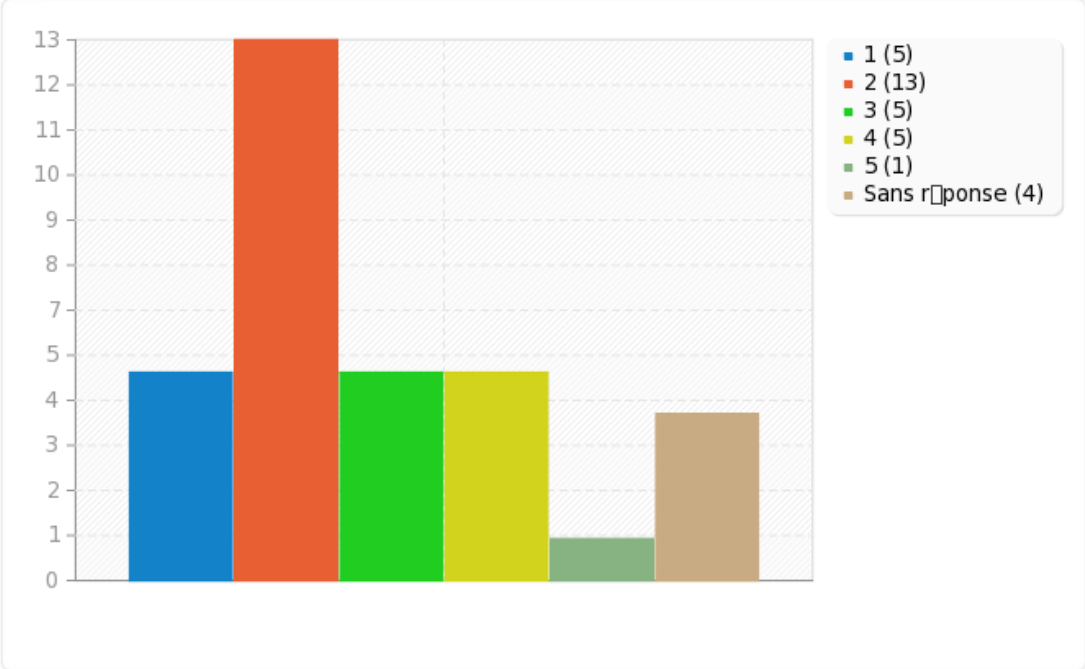
Résumé du champ pour E3(SQ006)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [GAN]

Réponse	Décompte	Pourcentage	Somme
1 (1)	5	6.17%	22.22%
2 (2)	13	16.05%	
3 (3)	5	6.17%	6.17%
4 (4)	5	6.17%	
5 (5)	1	1.23%	7.41%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ006)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [GAN]



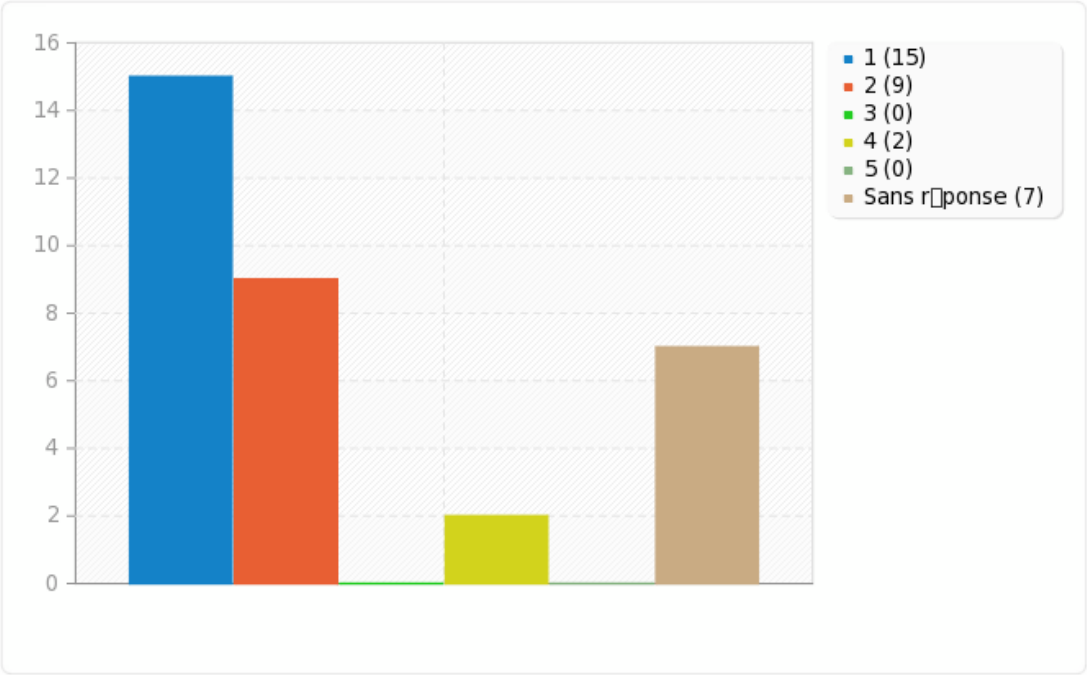
Résumé du champ pour E3(SQ007)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Deep Set]

Réponse	Décompte	Pourcentage	Somme
1 (1)	15	19.23%	30.77%
2 (2)	9	11.54%	
3 (3)	0	0.00%	0.00%
4 (4)	2	2.56%	
5 (5)	0	0.00%	2.56%
Sans réponse	7	8.24%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	26	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ007)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Deep Set]



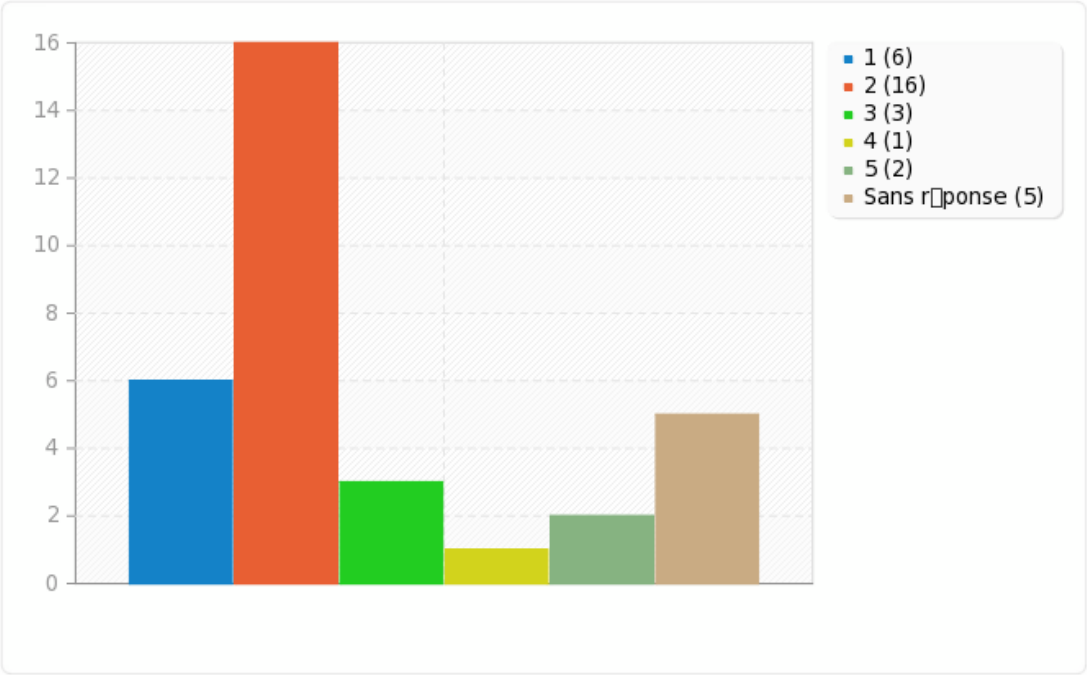
Résumé du champ pour E3(SQ008)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Graph NN]

Réponse	Décompte	Pourcentage	Somme
1 (1)	6	7.50%	27.50%
2 (2)	16	20.00%	
3 (3)	3	3.75%	3.75%
4 (4)	1	1.25%	
5 (5)	2	2.50%	3.75%
Sans réponse	5	5.88%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	28	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ008)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Graph NN]



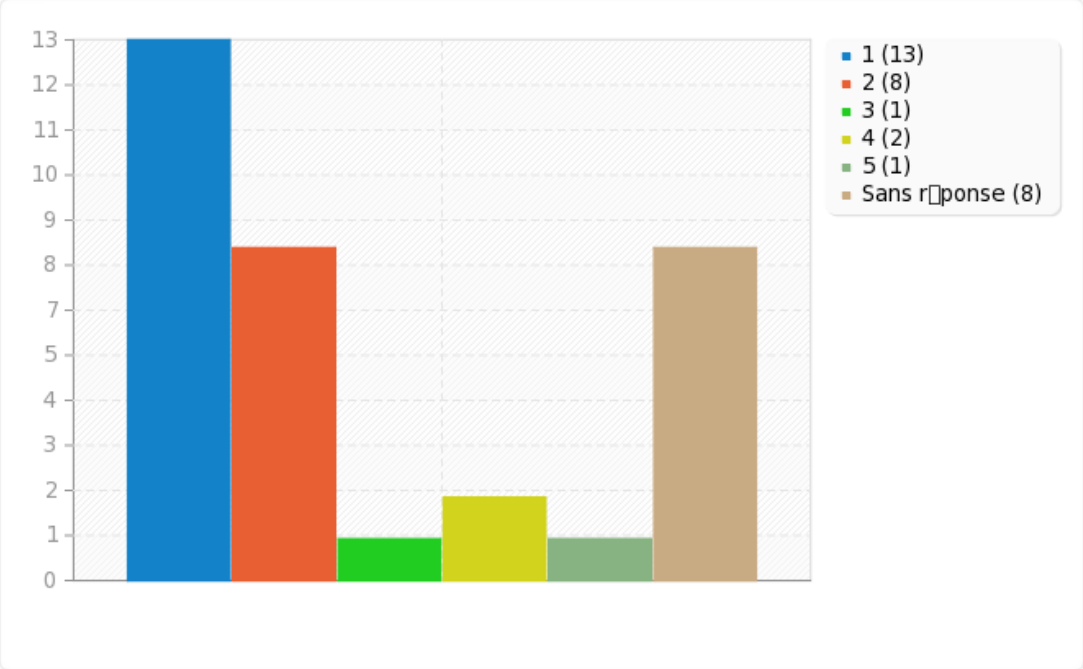
Résumé du champ pour E3(SQ009)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Invertible NN / Normalising flows]

Réponse	Décompte	Pourcentage	Somme
1 (1)	13	16.88%	27.27%
2 (2)	8	10.39%	
3 (3)	1	1.30%	1.30%
4 (4)	2	2.60%	
5 (5)	1	1.30%	3.90%
Sans réponse	8	9.41%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	25	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ009)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Invertible NN / Normalising flows]



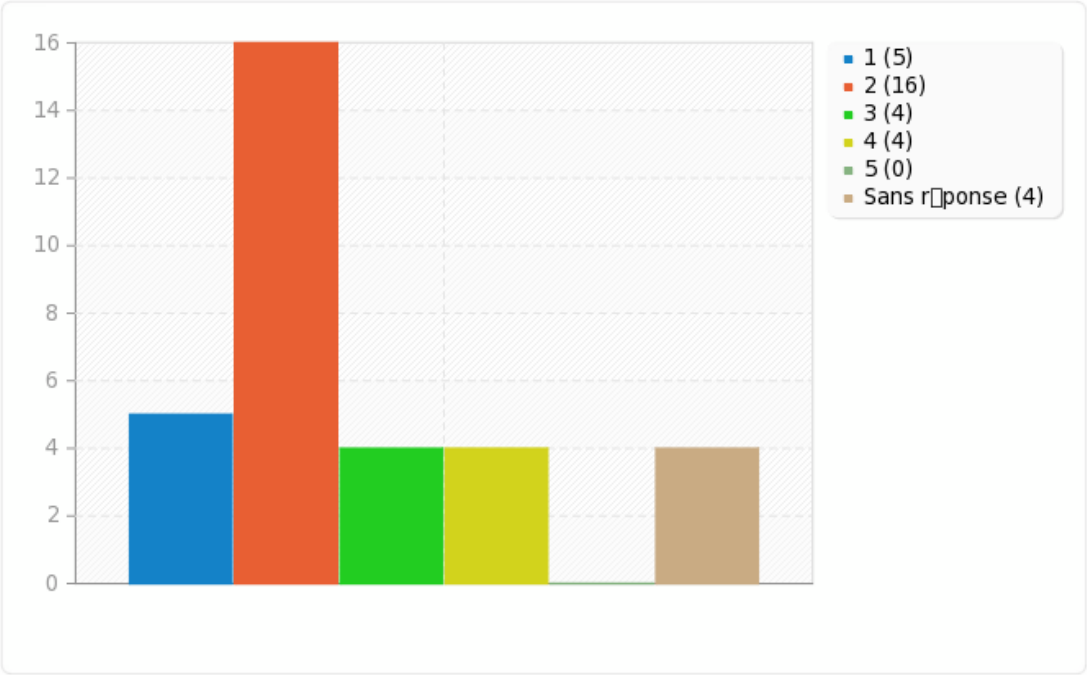
Résumé du champ pour E3(SQ010)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Reinforcement Learning]

Réponse	Décompte	Pourcentage	Somme
1 (1)	5	6.17%	25.93%
2 (2)	16	19.75%	
3 (3)	4	4.94%	4.94%
4 (4)	4	4.94%	
5 (5)	0	0.00%	4.94%
Sans réponse	4	4.71%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	29	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ010)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [Reinforcement Learning]



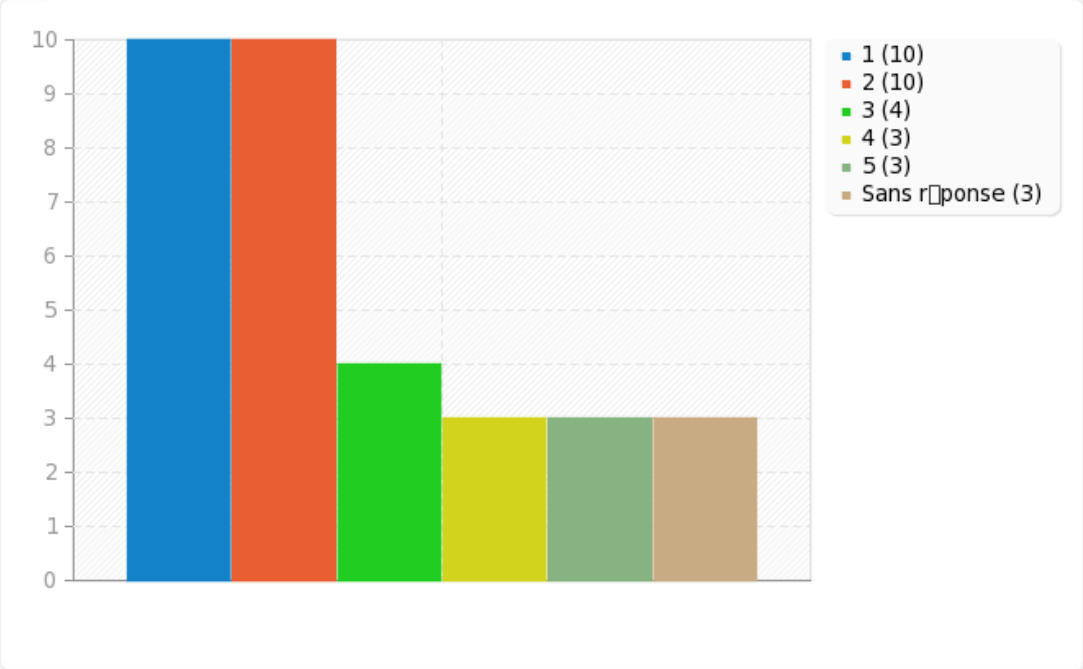
Résumé du champ pour E3(SQ011)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [bayesian optimisation]

Réponse	Décompte	Pourcentage	Somme
1 (1)	10	12.20%	24.39%
2 (2)	10	12.20%	
3 (3)	4	4.88%	4.88%
4 (4)	3	3.66%	
5 (5)	3	3.66%	7.32%
Sans réponse	3	3.53%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	30	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ011)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [bayesian optimisation]



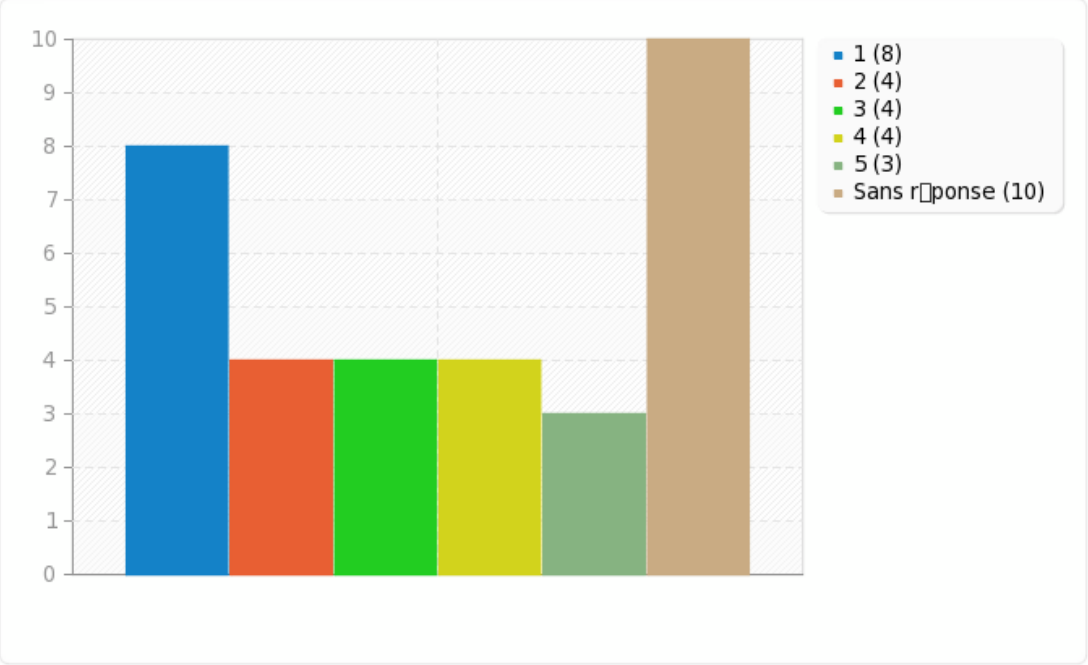
Résumé du champ pour E3(SQ012)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [other optimisation]

Réponse	Décompte	Pourcentage	Somme
1 (1)	8	10.67%	16.00%
2 (2)	4	5.33%	
3 (3)	4	5.33%	5.33%
4 (4)	4	5.33%	
5 (5)	3	4.00%	9.33%
Sans réponse	10	11.76%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	23	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ012)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [other optimisation]



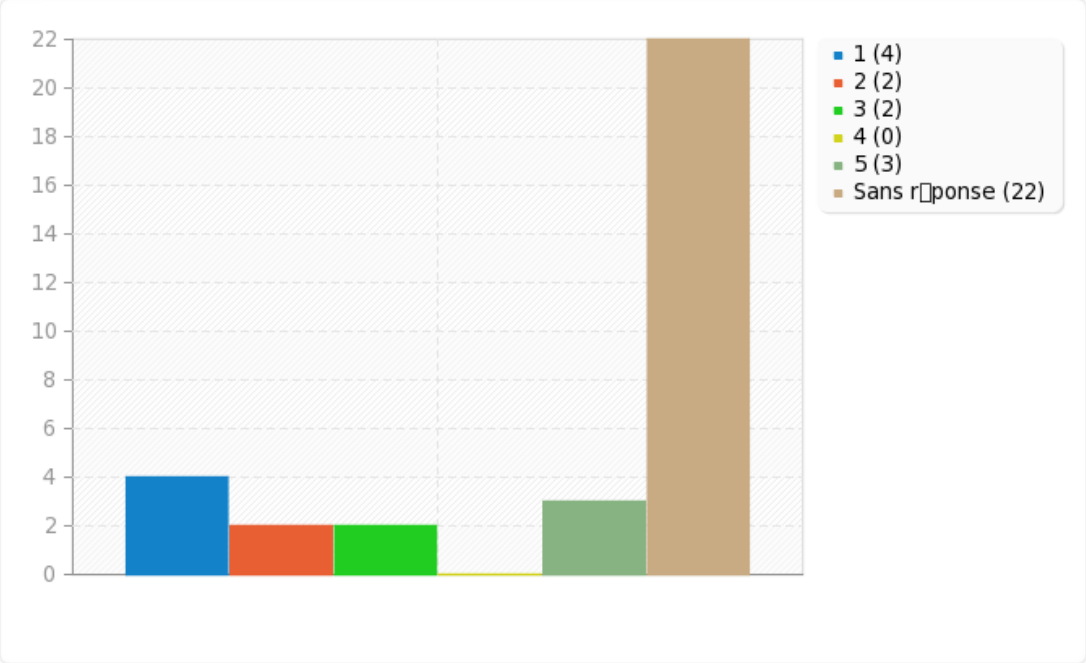
Résumé du champ pour E3(SQ013)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [other Machine Learning topic (use free field to specify)]

Réponse	Décompte	Pourcentage	Somme
1 (1)	4	6.35%	9.52%
2 (2)	2	3.17%	
3 (3)	2	3.17%	3.17%
4 (4)	0	0.00%	
5 (5)	3	4.76%	4.76%
Sans réponse	22	25.88%	0.00%
Moyenne arithmétique	0		
Écart type	0		
Somme (Réponses)	11	100.00%	100.00%
Nombre de cas		0%	

Résumé du champ pour E3(SQ013)

Which of these concepts/architecture are you familiar with? 1: have hardly heard about it, 2: have studied several papers/presentation about it, 3: have played with it with data 4: have done one full project with it 5: have done several projects with it [other Machine Learning topic (use free field to specify)]



Résumé du champ pour E4

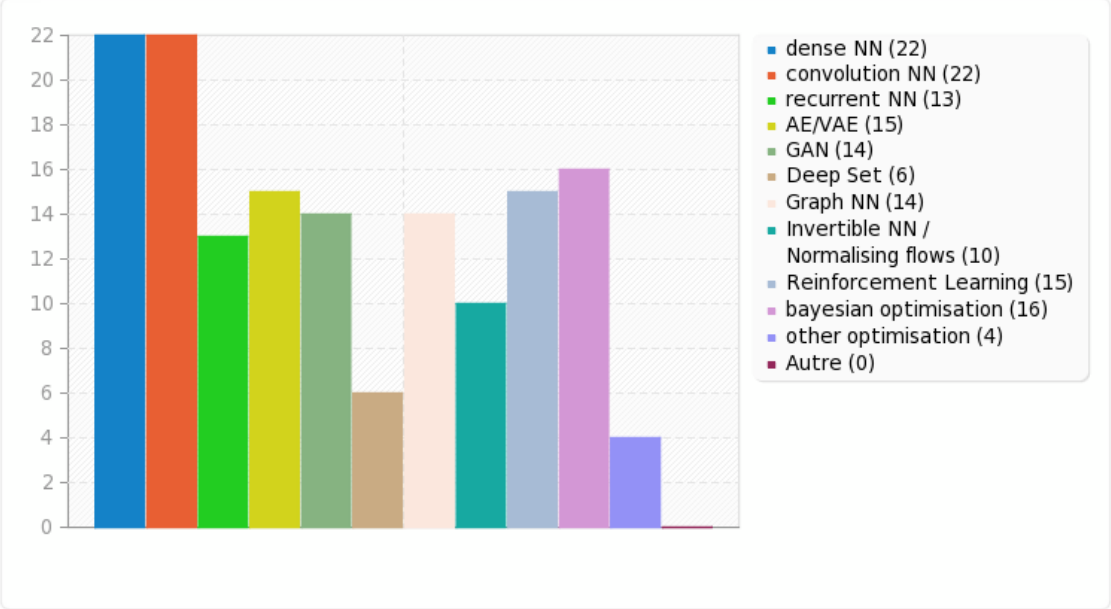
Which of these following concepts/architecture do you plan to continue or invest in the near future ?

Réponse	Décompte	Pourcentage
dense NN (SQ002)	22	66.67%
convolution NN (SQ003)	22	66.67%
recurrent NN (SQ004)	13	39.39%
AE/VAE (SQ005)	15	45.45%
GAN (SQ006)	14	42.42%
Deep Set (SQ007)	6	18.18%
Graph NN (SQ008)	14	42.42%
Invertible NN / Normalising flows (SQ009)	10	30.30%
Reinforcement Learning (SQ010)	15	45.45%
bayesian optimisation (SQ011)	16	48.48%
other optimisation (SQ012)	4	12.12%
Autre	0	0.00%

Identifiant (ID)	Réponse

Résumé du champ pour E4

Which of these following concepts/architecture do you plan to continue or invest in the near future ?



Résumé du champ pour E5

Anything else you would like to say about your area of interest in Machine Learning (which would not fit elsewhere in this survey)? Please note you should be able at any point to come back here with the "Previous" button (bottom left).

Réponse	Décompte	Pourcentage
Réponse	3	9.09%
Sans réponse	30	90.91%

Identifiant (ID)	Réponse
35	I would have an interest in all this fields... the limitation is more on the amount of time we can invest!
59	I also do ML without NN
73	Attention layers

Résumé du champ pour C00

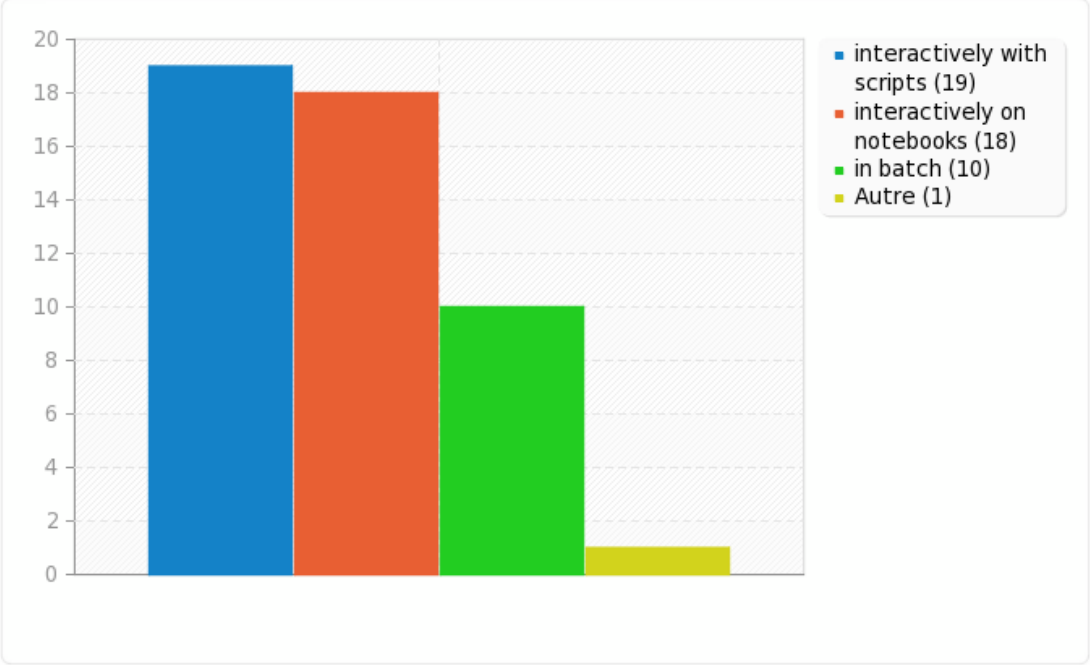
Are you doing your ML development mostly :

Réponse	Décompte	Pourcentage
interactively with scripts (SQ002)	19	59.38%
interactively on notebooks (SQ003)	18	56.25%
in batch (SQ004)	10	31.25%
Autre	1	3.12%

Identifiant (ID)	Réponse
73	GPU, FPGA

Résumé du champ pour C00

Are you doing your ML development mostly :



Résumé du champ pour C01

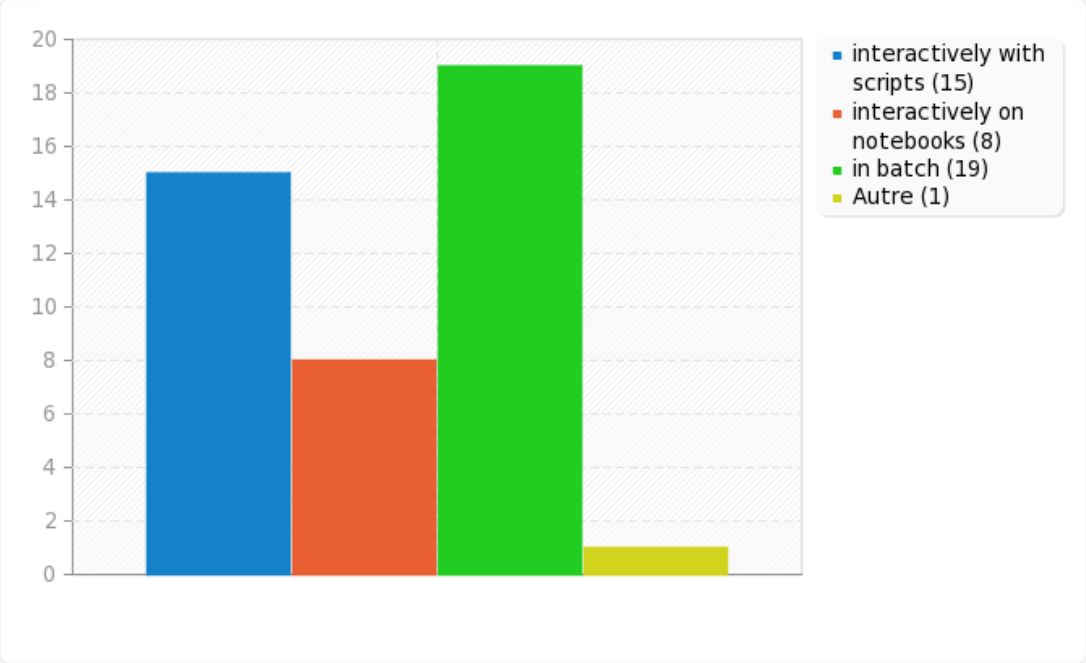
Are you doing your ML heavy training (Hyper Parameter Optimisation in particular) mostly :

Réponse	Décompte	Pourcentage
interactively with scripts (SQ002)	15	46.88%
interactively on notebooks (SQ003)	8	25.00%
in batch (SQ004)	19	59.38%
Autre	1	3.12%

Identifiant (ID)	Réponse
73	GPU

Résumé du champ pour C01

Are you doing your ML heavy training (Hyper Parameter Optimisation in particular) mostly :



Résumé du champ pour C1

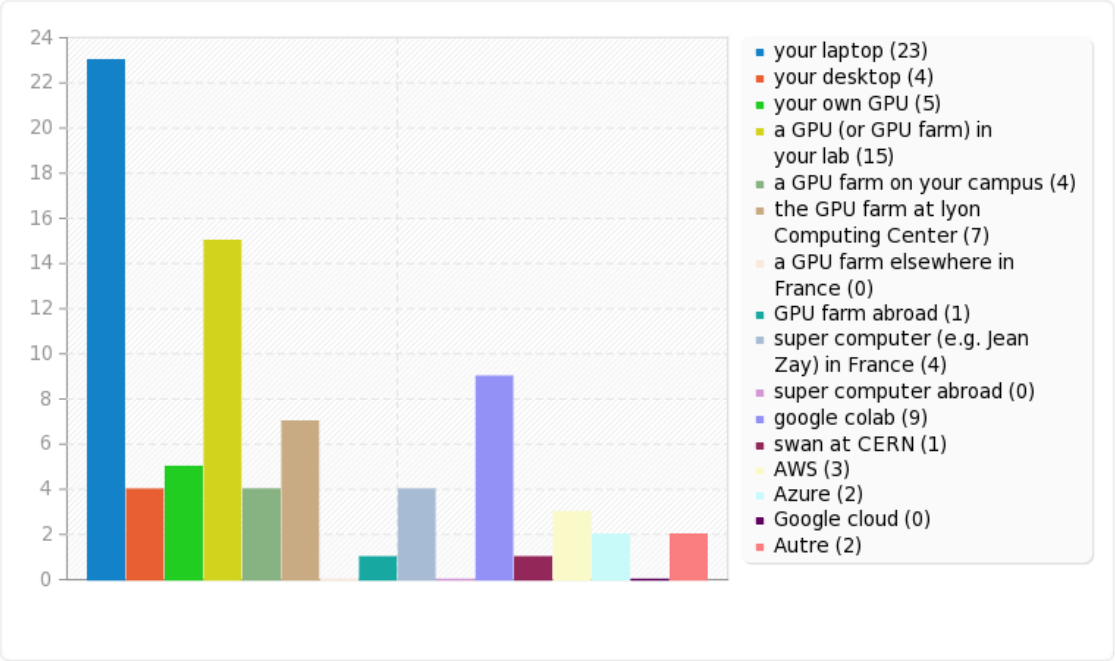
In term of resource usage, which of these platforms have you been using recently

Réponse	Décompte	Pourcentage
your laptop (SQ002)	23	71.88%
your desktop (SQ003)	4	12.50%
your own GPU (SQ004)	5	15.62%
a GPU (or GPU farm) in your lab (SQ005)	15	46.88%
a GPU farm on your campus (SQ006)	4	12.50%
the GPU farm at lyon Computing Center (SQ007)	7	21.88%
a GPU farm elsewhere in France (SQ019)	0	0.00%
GPU farm abroad (SQ009)	1	3.12%
super computer (e.g. Jean Zay) in France (SQ010)	4	12.50%
super computer abroad (SQ011)	0	0.00%
google colab (SQ012)	9	28.12%
swan at CERN (SQ013)	1	3.12%
AWS (SQ014)	3	9.38%
Azure (SQ015)	2	6.25%
Google cloud (SQ016)	0	0.00%
Autre	2	6.25%

Identifiant (ID)	Réponse
51	notebook.cc.in2p3.fr/
67	local CPU servers

Résumé du champ pour C1

In term of resource usage, which of these platforms have you been using recently



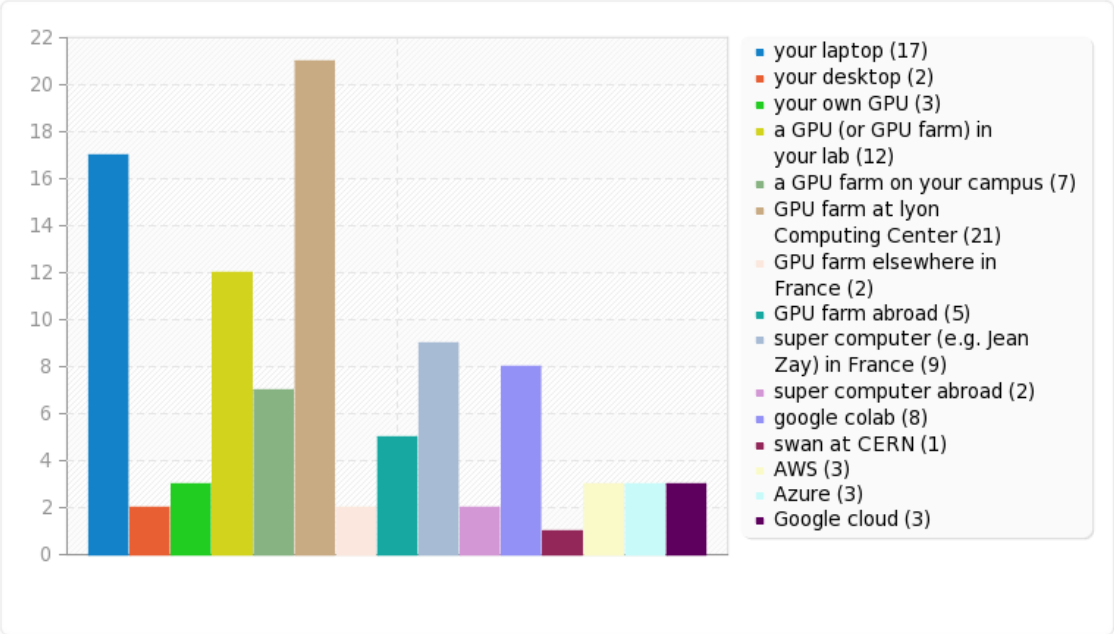
Résumé du champ pour C2

Which of these platforms would you like to use in near future ?

Réponse	Décompte	Pourcentage
your laptop (SQ002)	17	53.12%
your desktop (SQ003)	2	6.25%
your own GPU (SQ004)	3	9.38%
a GPU (or GPU farm) in your lab (SQ005)	12	37.50%
a GPU farm on your campus (SQ006)	7	21.88%
GPU farm at lyon Computing Center (SQ007)	21	65.62%
GPU farm elsewhere in France (SQ008)	2	6.25%
GPU farm abroad (SQ009)	5	15.62%
super computer (e.g. Jean Zay) in France (SQ010)	9	28.12%
super computer abroad (SQ011)	2	6.25%
google colab (SQ012)	8	25.00%
swan at CERN (SQ013)	1	3.12%
AWS (SQ014)	3	9.38%
Azure (SQ015)	3	9.38%
Google cloud (SQ016)	3	9.38%

Résumé du champ pour C2

Which of these platforms would you like to use in near future ?



Résumé du champ pour C21

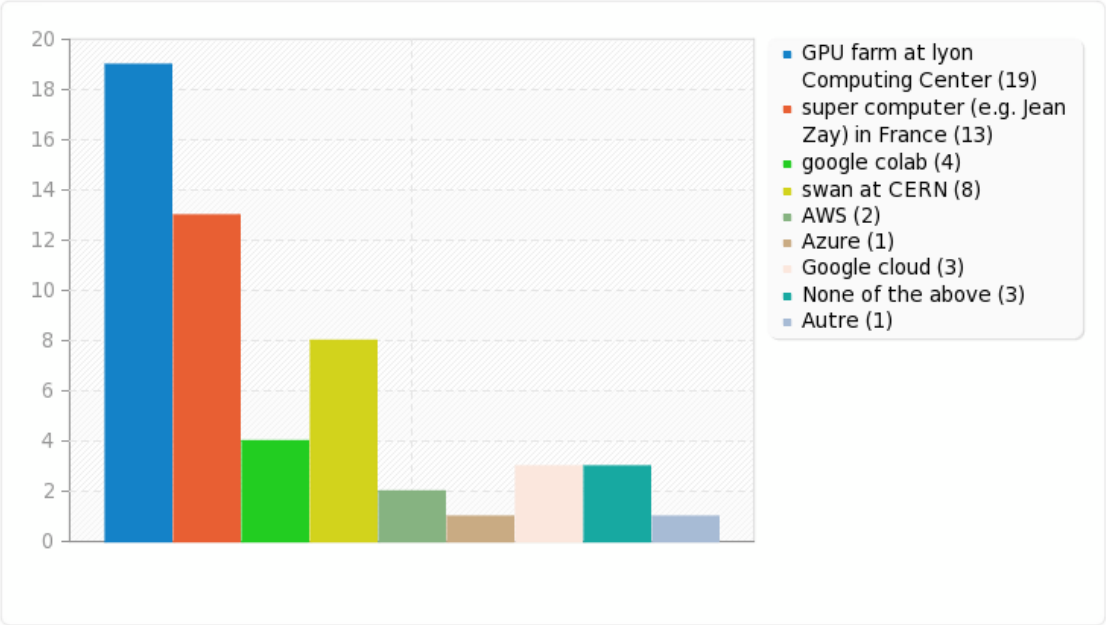
For which of these platforms do you wish to have detailed information / tutorials ?

Réponse	Décompte	Pourcentage
GPU farm at lyon Computing Center (SQ007)	19	59.38%
super computer (e.g. Jean Zay) in France (SQ010)	13	40.62%
google colab (SQ012)	4	12.50%
swan at CERN (SQ013)	8	25.00%
AWS (SQ014)	2	6.25%
Azure (SQ015)	1	3.12%
Google cloud (SQ016)	3	9.38%
None of the above (SQ017)	3	9.38%
Autre	1	3.12%

Identifiant (ID)	Réponse
73	a general review of available tools would also be interesting

Résumé du champ pour C21

For which of these platforms do you wish to have detailed information / tutorials ?



Résumé du champ pour C22

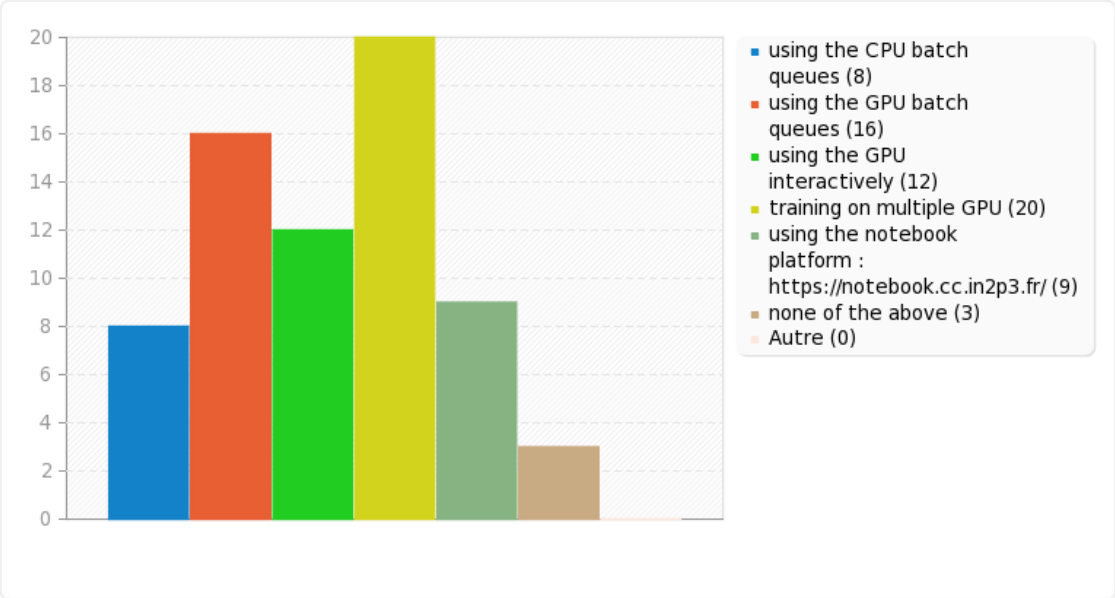
For Lyon computing center specifically, do you feel you need more information on :

Réponse	Décompte	Pourcentage
using the CPU batch queues (SQ002)	8	25.00%
using the GPU batch queues (SQ003)	16	50.00%
using the GPU interactively (SQ004)	12	37.50%
training on multiple GPU (SQ005)	20	62.50%
using the notebook platform : https://notebook.cc.in2p3.fr/ (SQ006)	9	28.12%
none of the above (SQ007)	3	9.38%
Autre	0	0.00%

Identifiant (ID)	Réponse

Résumé du champ pour C22

For Lyon computing center specifically, do you feel you need more information on :



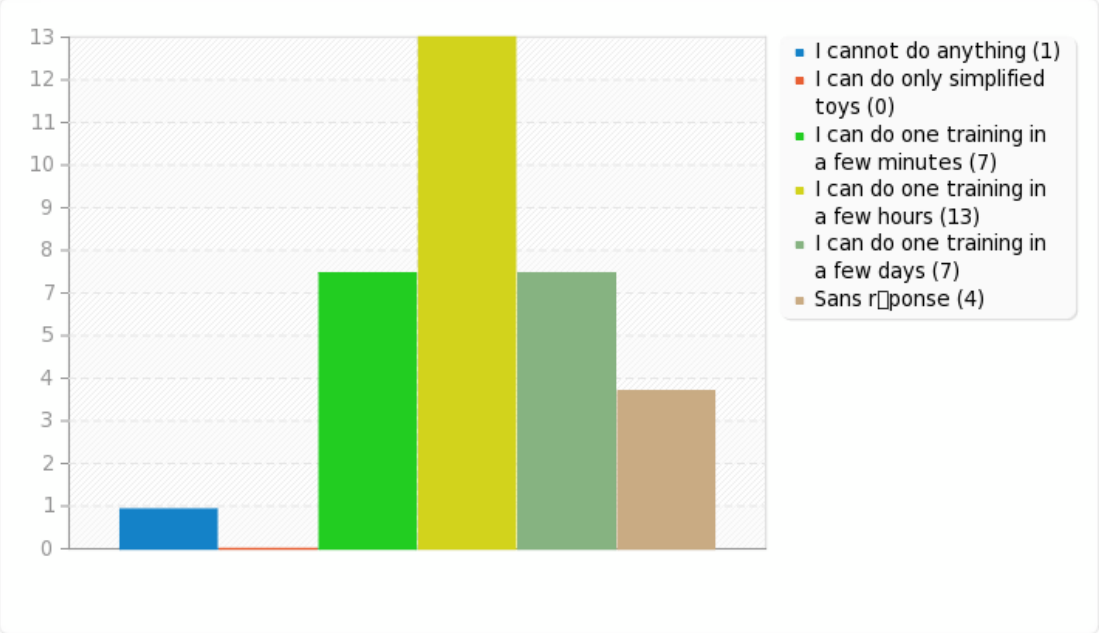
Résumé du champ pour C3

To which level the resources you have access to are adequate to your needs to train your model:

Réponse	Décompte	Pourcentage
I cannot do anything (A2)	1	3.12%
I can do only simplified toys (A3)	0	0.00%
I can do one training in a few minutes (A4)	7	21.88%
I can do one training in a few hours (A6)	13	40.62%
I can do one training in a few days (A7)	7	21.88%
Sans réponse	4	12.50%

Résumé du champ pour C3

To which level the resources you have access to are adequate to your needs to train your model:



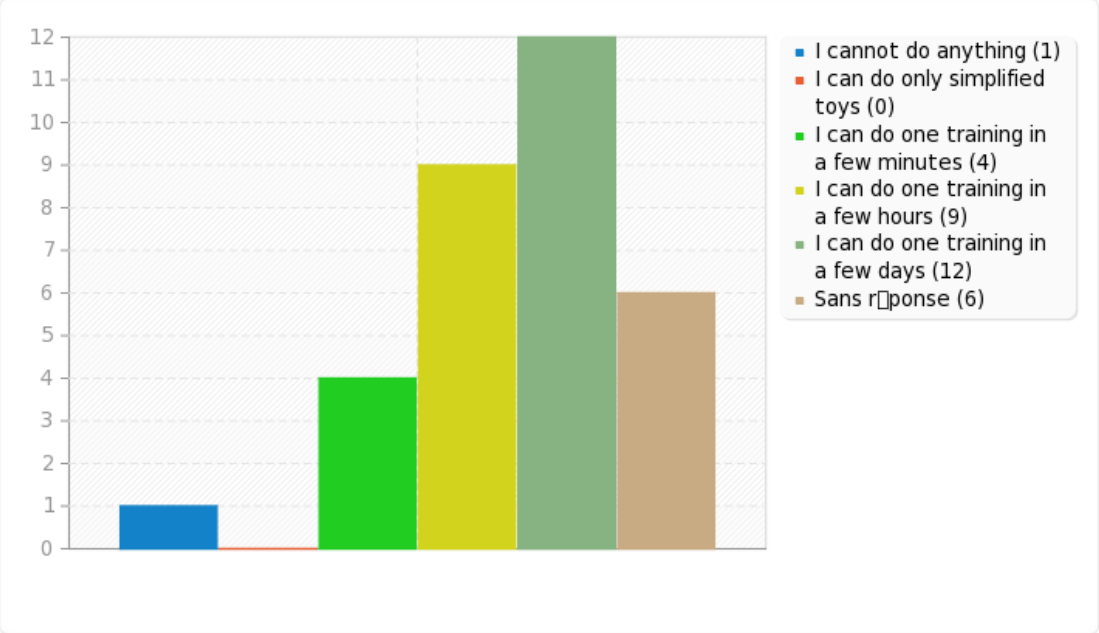
Résumé du champ pour C4

For your future project, and with the same resources as today, what do you expect to answer to the same question (to which level do you think the resources you have access to are adequate to your needs to train your model) ?:

Réponse	Décompte	Pourcentage
I cannot do anything (A2)	1	3.12%
I can do only simplified toys (A3)	0	0.00%
I can do one training in a few minutes (A4)	4	12.50%
I can do one training in a few hours (A5)	9	28.12%
I can do one training in a few days (A6)	12	37.50%
Sans réponse	6	18.75%

Résumé du champ pour C4

For your future project, and with the same resources as today, what do you expect to answer to the same question (to which level do you think the resources you have access to are adequate to your needs to train your model) ?:



Résumé du champ pour C5

Anything else you would like to say about computing resources (which would not fit elsewhere in this survey)? Please note you should be able at any point to come back here with the "Previous" button (bottom left).

Réponse	Décompte	Pourcentage
Réponse	2	6.25%
Sans réponse	30	93.75%

Identifiant (ID)	Réponse
26	CCin2p3 is currently good. But with more usage I feel it can get limited. Also we stil need more visibility on the occupancy of the farm to understand how long we have to wait before our jobs start.
73	Up to 200K nominal trainings are expected (not counting any optimization training), each of a few hours

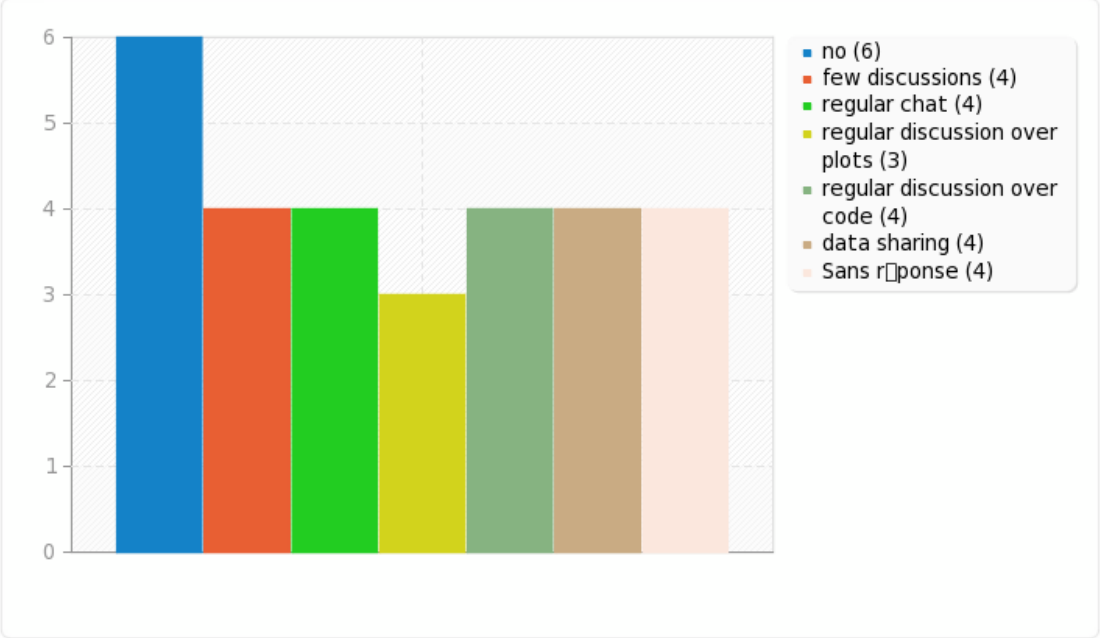
Résumé du champ pour CO1

Are you collaborating (or planning to in a near future) with a Computer Science scientist about Machine Learning ? (if more than one, chose the one with whom you collaborate most)

Réponse	Décompte	Pourcentage
no (A2)	6	20.69%
few discussions (A3)	4	13.79%
regular chat (A4)	4	13.79%
regular discussion over plots (A5)	3	10.34%
regular discussion over code (A6)	4	13.79%
data sharing (A7)	4	13.79%
Sans réponse	4	13.79%

Résumé du champ pour CO1

Are you collaborating (or planning to in a near future) with a Computer Science scientist about Machine Learning ? (if more than one, chose the one with whom you collaborate most)



Résumé du champ pour CO2

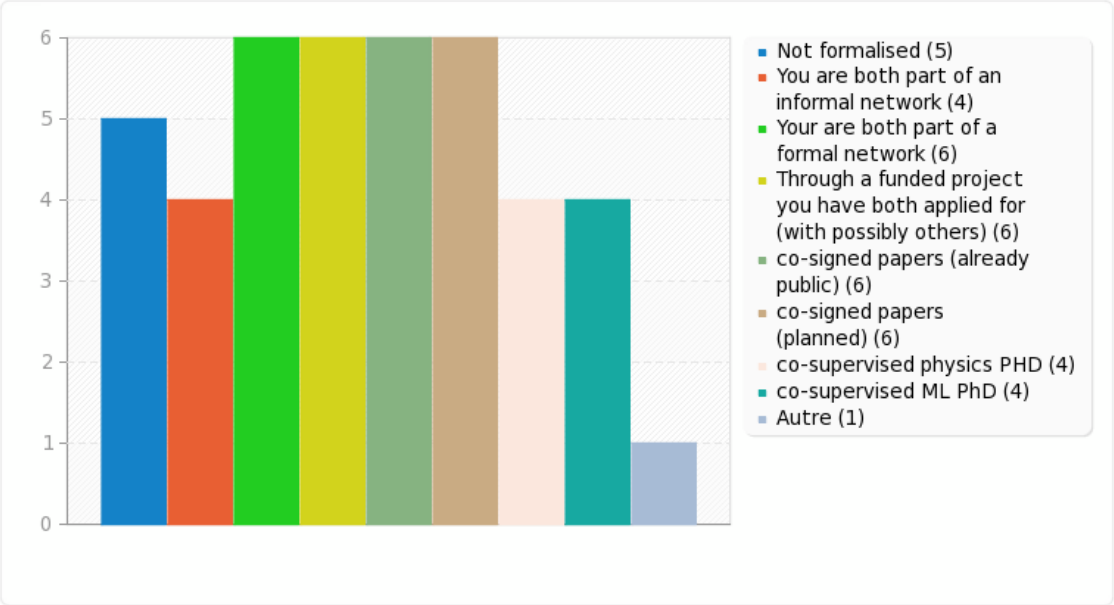
The collaboration is formalised with:

Réponse	Décompte	Pourcentage
Not formalised (SQ002)	5	17.24%
You are both part of an informal network (SQ003)	4	13.79%
Your are both part of a formal network (SQ004)	6	20.69%
Through a funded project you have both applied for (with possibly others) (SQ005)	6	20.69%
co-signed papers (already public) (SQ006)	6	20.69%
co-signed papers (planned) (SQ007)	6	20.69%
co-supervised physics PHD (SQ008)	4	13.79%
co-supervised ML PhD (SQ009)	4	13.79%
Autre	1	3.45%

Identifiant (ID)	Réponse
45	will co-supervise a Physics PhD

Résumé du champ pour CO2

The collaboration is formalised with:



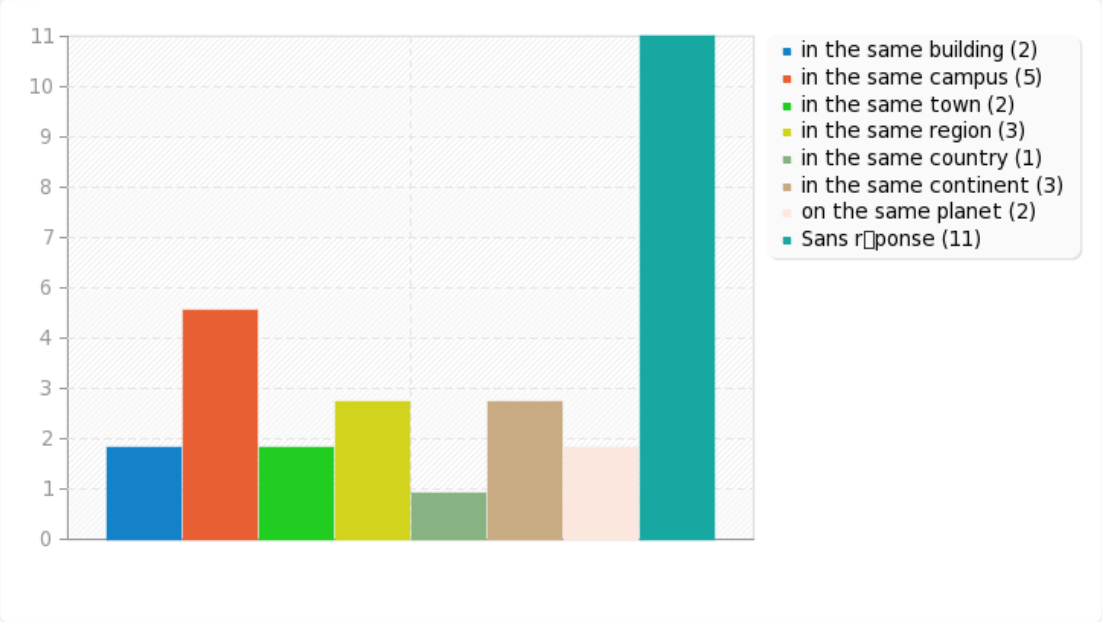
Résumé du champ pour CO3

You and the CS scientist(s) you are collaborating with are (in non Covid times) physically located (only one answer with the closest collaboration) :

Réponse	Décompte	Pourcentage
in the same building (A1)	2	6.90%
in the same campus (A2)	5	17.24%
in the same town (A3)	2	6.90%
in the same region (A4)	3	10.34%
in the same country (A5)	1	3.45%
in the same continent (A6)	3	10.34%
on the same planet (A7)	2	6.90%
Sans réponse	11	37.93%

Résumé du champ pour CO3

You and the CS scientist(s) you are collaborating with are (in non Covid times) physically located (only one answer with the closest collaboration) :



Résumé du champ pour CO4

Anything else you would like to say about collaboration with Computer Science scientists (which would not fit elsewhere in this survey)? Please note you should be able at any point to come back here with the "Previous" button (bottom left).

Réponse	Décompte	Pourcentage
Réponse	1	3.45%
Sans réponse	28	96.55%

Identifiant (ID)	Réponse
26	I'd be happy to start a collaboration with a CS, although nothing is planne yet.

Résumé du champ pour F1

This is the final question. Any final words ? Please note you can correct previous answers using the "Previous" button (bottom left).

Réponse	Décompte	Pourcentage
Réponse	3	11.11%
Sans réponse	24	88.89%

Identifiant (ID)	Réponse
13	it funy, thanck
56	I would just like to express my thanks for preparing all of this to make this workshop happen.
73	There was no were to fit the application of ML. In certain case high-speed ML output is necessary, task best achieved with dedicated ASIC or FPGA at the moment.