| **Matricule et Nom du doctorant** | | **Axe de recherche** | **Percentage Realisé de TD/TP/MP /100** | **Librairies utilisées** | **Lien vers le mini-projet** | **Article scientifique associé** | **Validation automatique si (50%) de TD/TP/MP fait** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| C16315 | Cheikh Abdelkader Ahmed Telmoud | AI pour l’Agriculture | TD/TP 50%  Mini Projet Terminé | pandas  numpy  matplotlib  seaborn  scikit-learn  ipython  openpyxl | https://github.com/Cheikh-Ahmed-Telmoud/PCS2025/tree/master/C16315\_python-calc-scientifique2025 | REVOLUTIONIZING RICE YIELD PREDICTION: A DATADRIVEN  APPROACH IN MAURITANIA |  |
| C15623 | Mohamed Abdellahi Sidi Mohamed Blal |  |  |  |  |  |  |
| C17596 | Mohamed El Moustapha EL ARBY | NLP | TP +50%  Mini projet 100% | Pandas, NLTK, re, numpy, sklearn | https://github.com/EL-Arby/C17596\_python-calcul-scientifique2025 | Investigate the impact of stemming on mauritanian dialect classification using machine learning techniques  **DOI:** [10.14569/IJACSA.2023.01410106](https://dx.doi.org/10.14569/IJACSA.2023.01410106) |  |
| C22881 | Fatimetou Zeine | Explicabilite de l’IA | TD/TP 50%  Mini Projet Terminé | Scikit-learn; xgboost; lightgbm;shap;joblib;scipy | https://github.com/fatimettou/PCS2025-C22881\_python-calc-scientifique2025 | shapiq: Shapley Interactions for Machine Learning |  |
| C13163 | Aslamhom Sidi Mohamed | Ai + Process Mining | TD/TP 50%  Mini Projet Terminé | pandas  numpy  scikit-learn  matplotlib | https://github.com/slemhoum/PCS2025 | Transformer models for mining intents and predicting activities from emails  in knowledge-intensive processes  10.1016/j.engappai.2023.107450 |  |
| C12542 | Mohamed Lemine Sidibba | AI appliquee sur les donees electroniques bancaires | TD/TP  Mini-Projet  Termine | pandas  numpy  matplotlib  seaborn | https://github.com/Sidibba6200/PCS2025-C12542\_python | Fraud Detection in Banking Data by Machine Learning Techniques |  |
| C13931 | Amed Med Abd Elkader | AI and Process mining | > 50 % de TD, TP  Mini Projet Terminé | pandas  numpy  scikit-learn  matplotlib  seaborn  plotly | https://github.com/ahmed-115/C13931\_python-calcul-scientifique2025.git | Dialogue management in conversational systems: a review of approaches, challenges, and opportunities |  |
| c13682 | toureibrahim697@gmail.com |  |  |  |  |  |  |
| C09174 | Elkory Mohamed | AI in Credit Scoring | TP ~ 50%  Mini projet | pandas, matplotlib  seaborn, plotly  Sklearn, Numpy, torch, tensorflow | https://github.com/Elkory-Med/C09174\_python-calcul-scientifique2025 | A semi-supervised reject inference framework with  hierarchical heterogeneous networks for credit scoring  <https://doi.org/10.1016/j.ijforecast.2024.07.011> |  |
| C12888 | Mohamed Sidi Brahim |  | > 50 % (TD/TP)  MP en cours |  | https://github.com/mohamed3741/PCS2025-c12888\_python-calc-scientifique2025 |  |  |
| C22879 | Brahim Ould Cheikh Mohamed Nouh | IA and Fog computing for healthcare | TD/TP +50%  Mini Projet Terminé | pandas  numpy  matplotlib  scikit-learn | https://github.com/cheikhsoufi/PCS2025-C22879\_python-calc-scientifique2025 | AI-Driven Resource Allocation in Edge-Fog Computing: Leveraging Digital Twins for Efficient Healthcare Systems |  |
| C25466 | Haddemine Hamady | Application des techniques de Machine Learning sur des données comportementales de santé | TD/TP +70%  Mini Projet Terminé | pandas  numpy  matplotlib  seaborn  scikit-learn | <https://github.com/Haddemine/PCS2025-C25466_python-calc-scientifique2025.git> | Diabète, inflammation et maladies cardiovasculaires : avancées thérapeutiques et rôle clé de la colchicine |  |
| C13682 | Brahim Toure | Cloud | Mini projet 100% | pandas>=1.3.0  numpy>=1.21.0  scikit-learn>=0.24.2  matplotlib>=3.4.0  seaborn>=0.11.0  jupyter>=1.0.0  ipykernel>=6.0.0  notebook>=6.4.0  regex>=2021.4.4 | [ibrahim-a-developper/PCS2025-C13682\_python-calc-scientifique2025: Analyse de données sur le cancer utilisant différents algorithmes de Machine Learning](https://github.com/ibrahim-a-developper/PCS2025-C13682_python-calc-scientifique2025) |  |  |
| C25463 | Sidi Mohamed Lefdhil | Pilot decontamination in Massive MIMO using AI | TD+TP:100%  Mini-Projojet:100% | pandas  numpy  matplotlib  seaborn  scikit-learn | https://github.com/sidilefdhil/PCS2025-C25463-\_python-calc-sientifique2025.git | Pilot Contamination in Massive MIMO Systems: Challenges and Future Prospects |  |