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ArchAIDE' aim was to demostrate that it was possible to create an automatica system to recognise sherds by a single photo







Decoration-based identification



Shape based recognition

















02/11/2020









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Machine Learning

- Universal
- Robust
- Data-driven Random Forest



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Artificial Neural Networks (ANNs)

- Multilayer Perceptron Network (MLP)
 Probabilistic Neural Network (PNN)
- Convolutional Neural Network (CNN)
- Self-Organizing Feature Map (SOM)













Datafication





Can archaeology theoretically fit a Big Data approach?

Many scholars suggest that archaeology is perfect for Big Data because archaeological data are messy and difficult to structure by definition.



Conclusion

One of the most complex aspects of applying AI is data availability. AI algorithms need data, possibly Big Data, hopefully, Big Open Quality Data.



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