**Table 1.10. C**lassification of algorithms depending on the problem type (Breton D. 2021)

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| --- | --- | --- |
| **Algorithms depending on the type of learning** | | |
| **Unsupervised learning** | Clustering | Hierarchical |
| K-Means |
| KNN |
| DBScan |
| Dimension reduction | PCA |
| LDA |
| SVD |
| **Supervised learning** | Classification | Naïve Bayes |
| Random Forest |
| Logistic regression |
| Kernel SVM |
| Linear SVM |
| Decision tree |
| Gradient boosting |
| Regression | Linear regression |
| Random Forest Regressor |
| Poison Regression |
| Lasso Regression |
| Multivariate Regression |
| Multiple Regression |
| Decision tree Regressor |