Machine Learning for Biomedical Research
The impact that machine learning is having in biomedical research is unprecedented. Machine learning applications enable the exploitation of large volumes of information, the different levels of granularity of the data, and the complexity and explainability of the models.

The Machine Learning for Biomedical Research Unit applies machine learning to biomedical problems generating resources and tools for biomedical research and secondary applications. We account for the use of high-performance computing and the collaboration with specialized groups at BSC. The Unit provides consultancy and technical advice in machine learning applications for the Life Sciences Department. We are also involved in several projects and initiatives, such as the ELIXIR Project and the ELIXIR Machine Learning Focus Group. The Unit is also involved in training and dissemination activities.

Objectives

- Develop efficient solutions to biomedical problems based on the use of machine learning.
- Generate resources and tools dedicated to the application of machine learning in biomedical research.
- Provide support in biomedical projects related to machine learning.
- Foster collaboration on topics related to biomedical applications of machine learning including high performance computing and social impact.

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