

# fAIr LAC

## Recommendations for the project manager

### Model profile



Review, together with the technical team, the results of the exploratory data analysis. Explain, based on expert knowledge, the anomalies found (if any) and the results of the analysis, and contextualize the main findings.

Ask the technical team for exploratory analysis of the data by population subgroups. Adopt bias mitigation and algorithmic fairness measures.

Carry out the cost-benefit analysis of the implementation of the tool, asking if the public policy problem can be solved without using AI.

Establish, together with the technical team, acceptable bias thresholds based on expert knowledge. Prepare mitigation measures based on public policy, if required.

Define, together with the technical team, a pilot program or randomized trial before deploying the model for the entire population.

Periodically monitor the tool together with the technical team and with the officials who interact with it.

Decide, together with the technical team, which model will be implemented.

Design a response or review policy to address possible requests from citizens regarding the result of the tool.

Define measures of equity in the results (subgroups of the population for which equity is to be ensured).

Discuss with the legal team the risks that may arise in the implementation of the model (protection of personal data, biases, or others) and develop mitigation and explainability measures, if required.



# Data Profile



Connect the technical team with the people in charge of the data (both internal and external) to obtain detailed information about the bases, the way of collection and possible weaknesses.

Discuss with the legal team the restrictions on the use of the data, given the way it was captured. For example: Is it necessary to obtain informed consent? Is it public or private information?

Discuss, together with the technical team, whether the sample is considered representative. If it is not, how will the training of the tool be affected?

Analyze the results of the exploratory data analysis. Validate that the maturity of the database is adequate to solve the selected public policy problem.

Communicate to the technical team which groups will be considered protected.

Help determine the reasons that explain the differences found from expert knowledge. Share these inputs with the technical team.

Explain, based on expert knowledge, those data biases that may arise from an undesired state of collection. Define what is considered a suboptimal state. Discuss with the technical team possible bias mitigation measures for protected groups.

Help determine the reasons for missing values (for example, an adverse circumstance that did not allow correct data collection) through expert knowledge.

