Bias Mitigation Tree

Which part of the pipeline is the debiasing algorithm applied to?

Post-processing

In-processing

Pre-processing

Can the result be changed?

No → No Option

Yes → Allow certain degree of randomisation on the result?

No → - Reject Option Classification

Yes → - Equalising Odds Postprocessing
- Calibrated Eq Odds Postprocessing

Can the traning algorithm be interfered?

No → No Option

Yes → Does the training algorithm allow regularisation term?

No → - Meta Fair Classifier
- Adversarial Debiasing

Yes → - Prejudice Remover

Can the dataset be modified?

No → Is modifying weights allowed?

No → No Option

Yes → - Reweighing

Yes → No need transparancy on the transformation?

Yes → - Learning fair representation

No → - Optimized Preprocessing
- Disparate Impact Remover