

Section	Details
Progress Overview (inkl. Reasons for Deviations of the Plan)	<ul style="list-style-type: none"> ✓ Reproducing PASSION results ✓ Get pipeline to calculate the required values to compute the fairness metrics 🔧 Reproducing PASSION results with the new pipeline <ul style="list-style-type: none"> – results on group level are not reproducible anymore: either I used wrong checkpoint, messed up the training code OR the initial calculations on group level did not take into account the correct labels 🔧 Deciding which mitigation methods to evaluate <ul style="list-style-type: none"> – PASSION already uses lots of the suggested mitigation methods – Code bases of aif360 and fairlearn are require adaptations of the datasets on runtime which are not straightforward to me ✗ writing report <ul style="list-style-type: none"> – was important to get some results
Accomplishments	<ul style="list-style-type: none"> ✓ PASSION results reproduced ✓ Fairness metrics calculable ✓ Runtime issues successfully mitigated
Risks and Measures	<p>Loss of trust in experimental integrity</p> <ul style="list-style-type: none"> • Rerunning the adapted code with initial PASSION configuration and compare result again to the PASSION paper • Carefully testing the evaluation by hand • When issues persist: get a code review <p>Delays in evaluation of mitigation methods due to unclear integration steps of aif306 / fairlearn</p> <ul style="list-style-type: none"> • check if the AAI-Team has worked with any of the libs • focus on other mitigation methods <p>Reduced impact / novelty of the analysis due to already implemented mitigation strategies</p> <ul style="list-style-type: none"> • potentially using post-processing methods as they are not yet used in passion • use data augmentation / preferential sampling as simulation of different sampling processes • include center evaluation in the bias analysis and try to apply mitigation methods for img quality issues <p>Neglecting the report, resulting in pressure at the end of the thesis</p> <ul style="list-style-type: none"> • Set clear timeframes for ONLY writing on the report
Next Steps	<ul style="list-style-type: none"> • Resolve reproducibility issues • Introduce first mitigation metric • Write report
Discussion Points / Questions	<ul style="list-style-type: none"> • most feasible approach for the mitigation methods
Additional Notes	-

Attachments	<ul style="list-style-type: none">• Fork of PASSION-Evaluation: https://github.com/teshi24/PASSION-Bias-Evaluation/tree/compute_fairness_metrics
Protocol	<div>Topic</div> <ul style="list-style-type: none">• <div>Topic</div> <ul style="list-style-type: none">•