

Section	Details
Progress Overview (inkl. Reasons for Deviations of the Plan)	<ul style="list-style-type: none"> <li>✓ Adapted timetable based on feedback and initial progress</li> <li>✓ Integrated new HSLU LaTeX template</li> <li>✍ Finalized problem statement (assignment described)</li> <li>✍ Getting familiar with PASSION dataset <ul style="list-style-type: none"> <li>– awaiting answers from Philippe</li> </ul> </li> <li>✍ Literature review (biases, fairness and mitigation) <ul style="list-style-type: none"> <li>✍ generally in ML <ul style="list-style-type: none"> <li>* found a survey with a broad list of biases and fairness metrics</li> </ul> </li> <li>✍ generally related to demographics <ul style="list-style-type: none"> <li>* lacking a general overview, most sources focus on AI and face recognition</li> <li>* research lead to sources with insights in demographic biases in dermatology</li> </ul> </li> <li>✗ generally related to dermatology biases <ul style="list-style-type: none"> <li>* ML survey took more time to read than expected</li> </ul> </li> </ul> </li> </ul>
Accomplishments	<ul style="list-style-type: none"> <li>✓ Documented overview of the PASSION dataset</li> <li>✓ Literature review became engaging</li> <li>✓ First methodology ideas formed</li> </ul>
Risks and Measures	<p>Struggling to filter the most relevant information</p> <ul style="list-style-type: none"> <li>• before diving into a paper, revisit the goal of the review</li> <li>• categorize insights into Scope BAA, Scope Outlook, Out Of Scope</li> </ul> <p>Difficulty identifying key demographic bias factors (most research focuses on gender and skin type, leading to gaps)</p> <ul style="list-style-type: none"> <li>• Resort to statistic biases</li> <li>• Research specific ideas instead (such as relevant risk factors in dermatology)</li> </ul> <p>Deciding on wrong biases or fairness metrics to focus on.</p> <ul style="list-style-type: none"> <li>• Narrow down the options, justifying the choices</li> <li>• Validate with Ludovic</li> </ul>
Next Steps	<ul style="list-style-type: none"> <li>• Continue literature review</li> <li>• Categorize already found biases, fairness metrics and mitigation methods - Scope BAA, Scope Outlook, Out Of Scope</li> <li>• Craft methodology to use during this thesis</li> </ul>
Discussion Points / Questions	<ul style="list-style-type: none"> <li>• When citing meta-studies, should I reference the original studies instead?</li> <li>• Should I document out-of-scope but seemingly relevant findings? To what extent?</li> </ul>
Additional Notes	The hints regarding how to literature review were very helpful advise
Attachments	<ul style="list-style-type: none"> <li>• Adapted timetable</li> </ul>

Protocol	Topic <ul style="list-style-type: none"><li>•</li></ul> Topic <ul style="list-style-type: none"><li>•</li></ul>
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