



Mission Take-Off

Projektrealisierung

Ali, Emre, Henrik, Katharina, Tobias

Fluginfos LH28083

Zwischenstand

**Projektauftrag
FRA 24.05 11:17Uhr**





Agenda

01

Datentransformation

02

Datenanalyse

03

Prozessanalyse

04

Next Steps

Zwischenstand – Gantt-Chart

Mission Take-Off - Gantt Chart

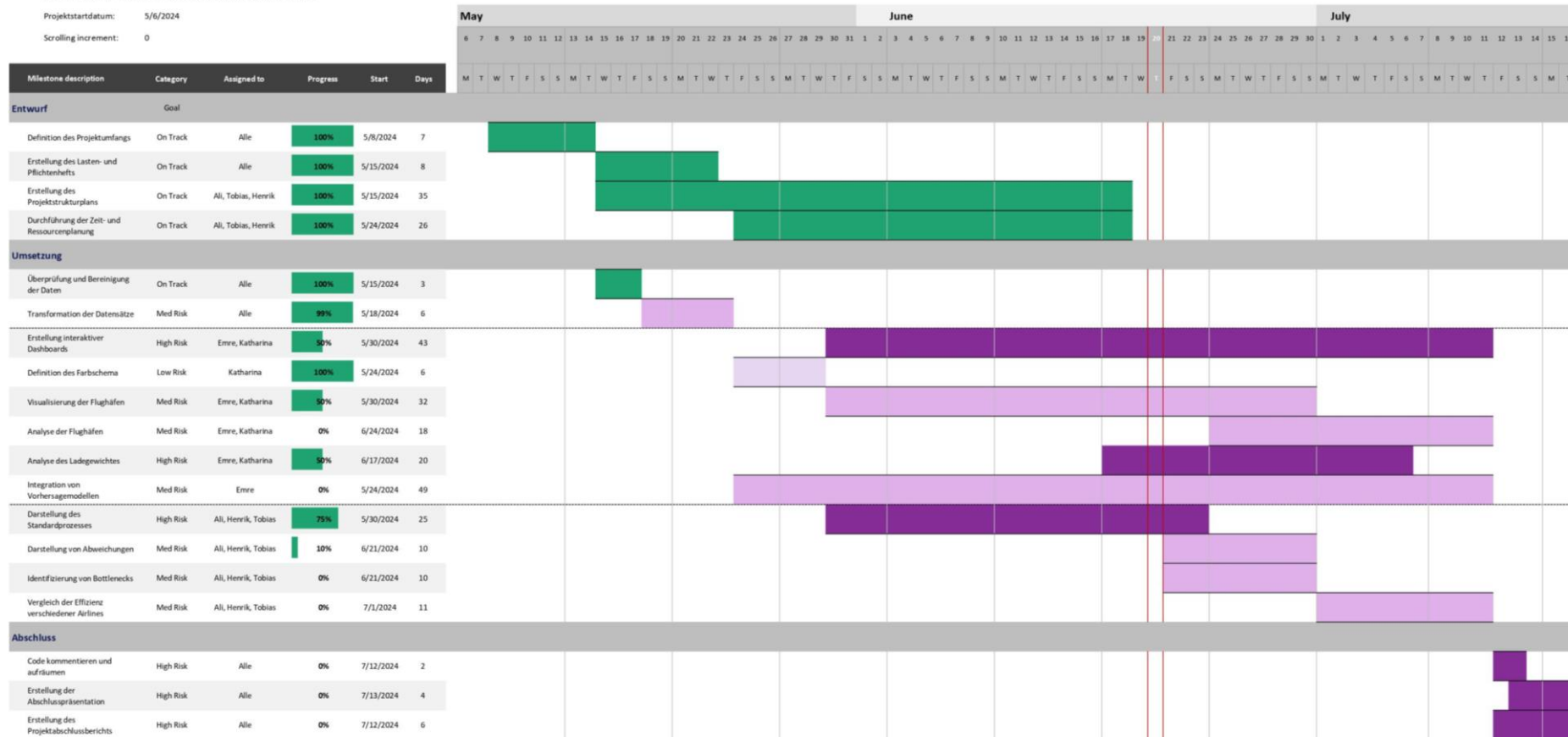
Modul Projektrealisierung

Emre İyigün, Ali Moutyrek, Tobias Ludwig, Henrik Rathai, Katharina Thiel

Projektstartdatum: 5/6/2024

Scrolling increment: 0

Legend: On track Low risk Medium High risk Unassigned



Zwischenstand – Gantt-Chart

Mission Take-Off - Gantt Chart

Modul Projektrealisierung

Legend

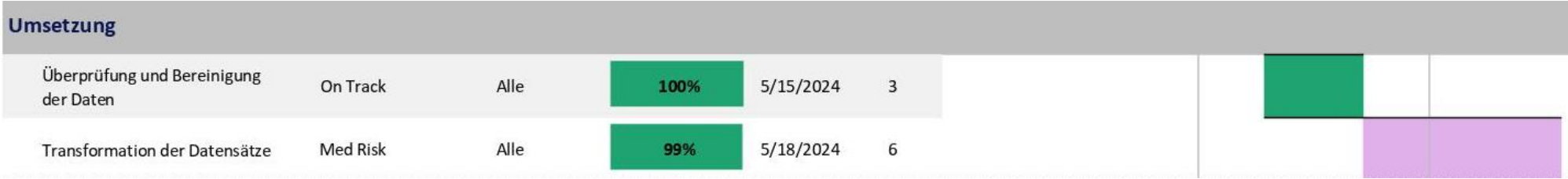
Emre Iyigün, Ali Moutyrek, Tobias Ludwig, Henrik Rathai, Katharina Thiel

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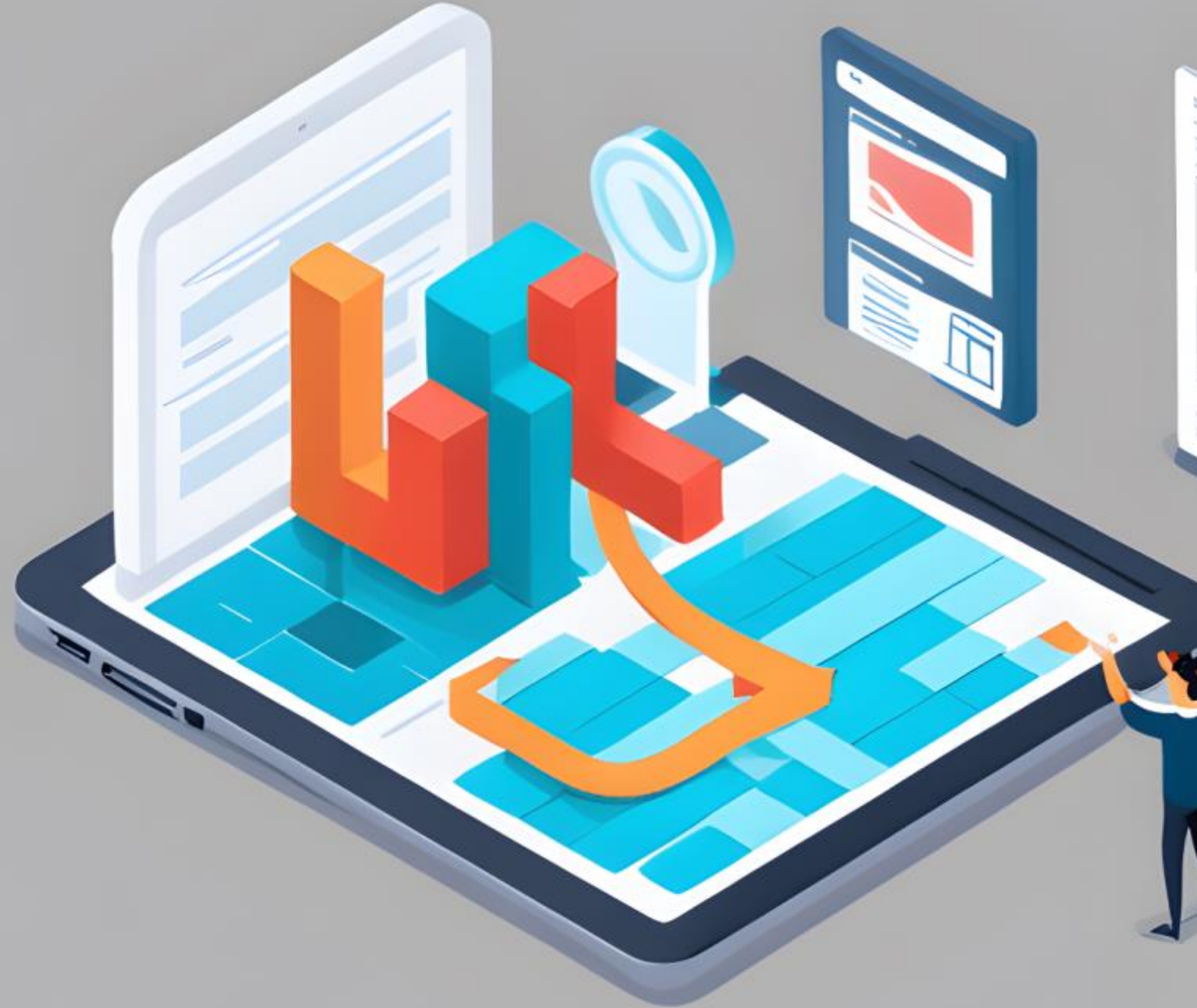
Milestone description	Category	Assigned to	Progress	Start	Days
Entwurf	Goal				
Definition des Projektumfangs	On Track	Alle	100%	5/8/2024	7
Erstellung des Lasten- und Pflichtenhefts	On Track	Alle	100%	5/15/2024	8
Erstellung des Projektstrukturplans	On Track	Ali, Tobias, Henrik	100%	5/15/2024	35
Durchführung der Zeit- und Ressourcenplanung	On Track	Ali, Tobias, Henrik	100%	5/24/2024	26

Zwischenstand – Gantt-Chart



01

Datentransformation



Herausforderungen

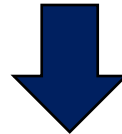
Datenvolumen

 AB_cleaned.feather	FEATHER-Datei
 MN_cleaned.feather	FEATHER-Datei
 ZY_cleaned.feather	FEATHER-Datei

Flugnummer != Flug

Geomapping

Departure Airport
Code



Gewichtsextraktion

```
# List of all keys, including weights, indices, and specific
weight_keys = [
    "START_WI weight",
    "START_WI index",
    "DO_WI weight",
    "DO_WI index",
    "PAX_WI weight",
    "PAX_WI index",
    "TOTAL_DEADLOAD_WI weight",
    "TOTAL_DEADLOAD_WI index",
    "TOTAL_LOAD_WI",
    "TOTAL_TRAFFIC_LOAD",
    "FUEL_INDEX",
    "AZFW",
    "ATOW",
    "ALAW",
    "FUEL_INDEX",
    "AFT_LIMIT_ZFW",
    "Start Weight",
    "Start Index",
    "Total Weight",
    "Index",
    "ATXW",
    "FWD_LIMIT_ZFW"
]
```


Datenanalyse



Zwischenstand – Datenanalyse

Mission Take-Off - Gantt Chart

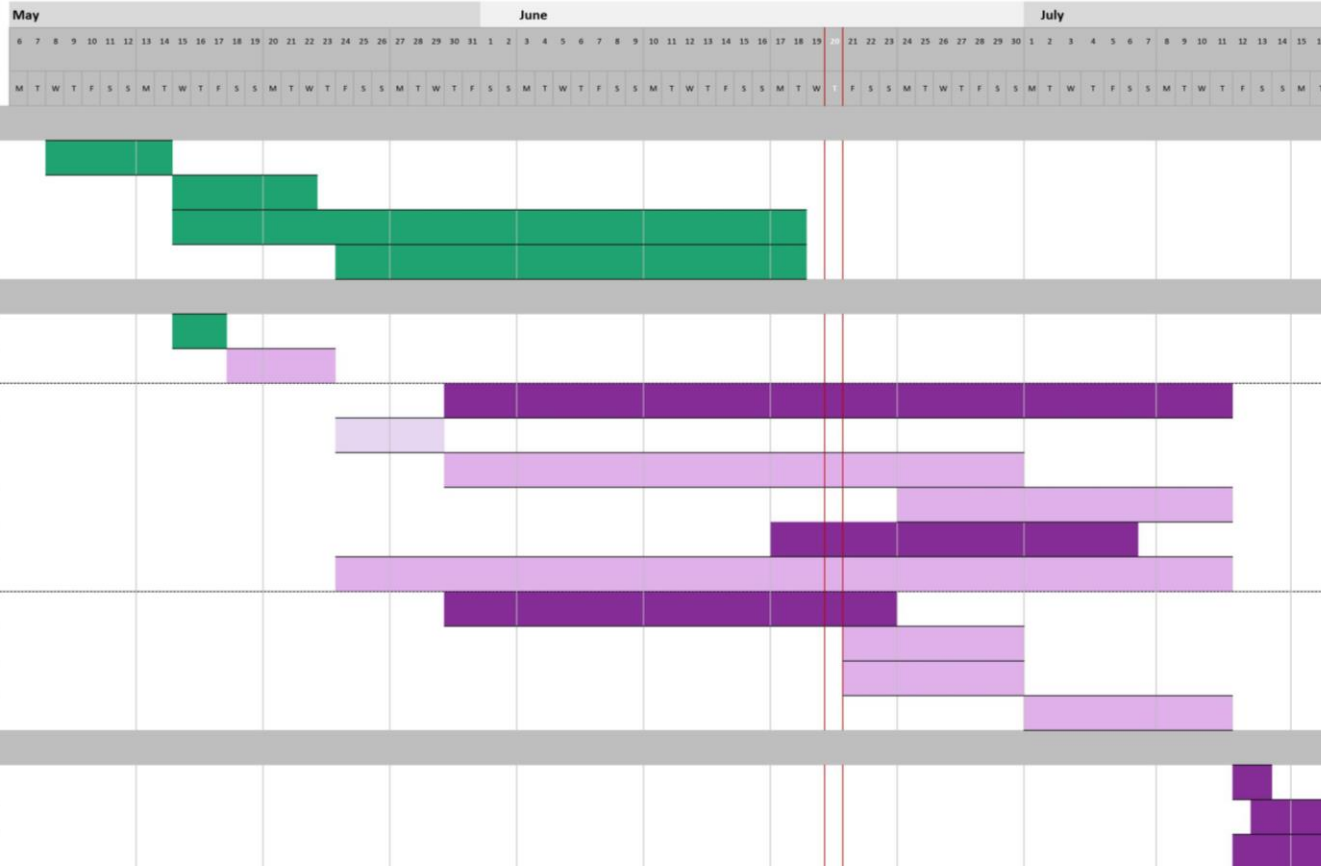
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Zwischenstand – Datenanalyse

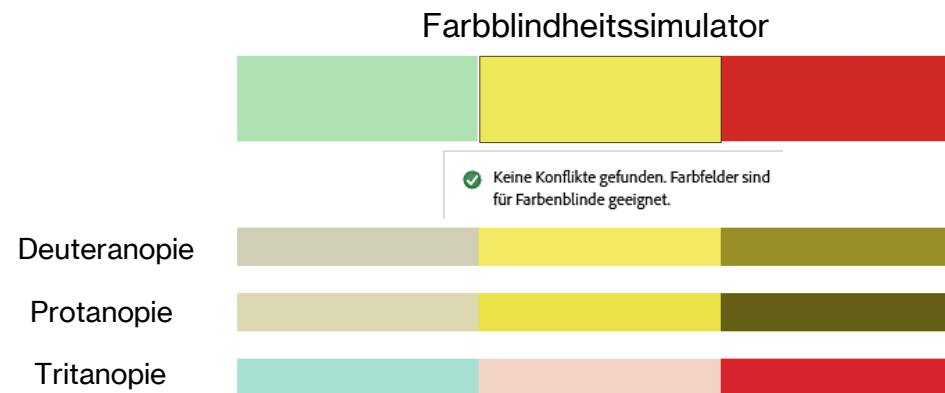
Erstellung interaktiver Dashboards	High Risk	Emre, Katharina	<div><div></div></div> 50%	5/30/2024	43
Definition des Farbschema	Low Risk	Katharina	<div><div></div></div> 100%	5/24/2024	6
Visualisierung der Flughäfen	Med Risk	Emre, Katharina	<div><div></div></div> 50%	5/30/2024	32
Analyse der Flughäfen	Med Risk	Emre, Katharina	<div><div></div></div> 0%	6/24/2024	18
Analyse des Ladegewichtes	High Risk	Emre, Katharina	<div><div></div></div> 50%	6/17/2024	20
Integration von Vorhersagemodellen	Med Risk	Emre	<div><div></div></div> 0%	5/24/2024	49

Farbschema

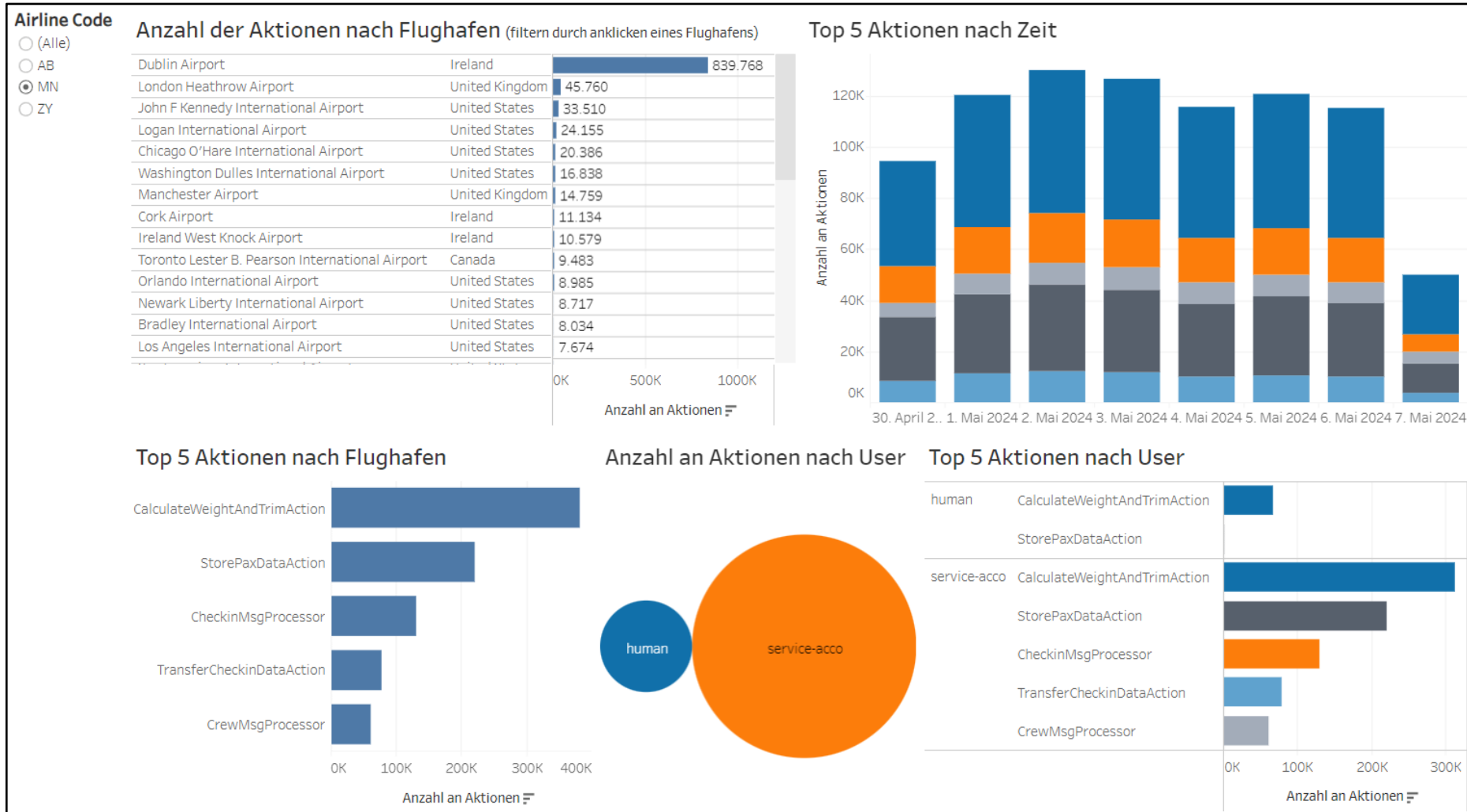
1. Farbpalette



2. Erweiterung Ampelfarben



Interaktives Dashbaord



Zwischenstand – Prozessanalyse

Mission Take-Off - Gantt Chart

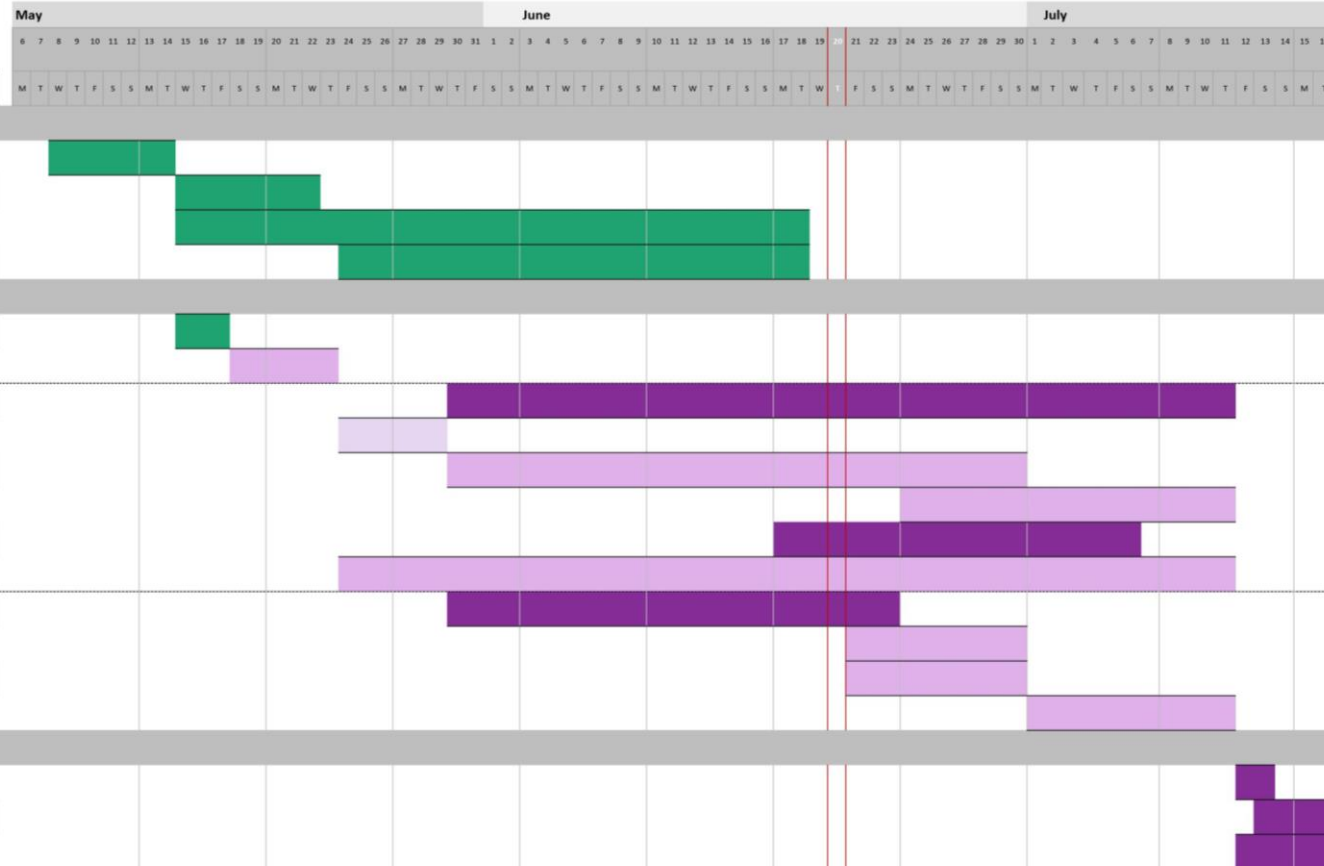
Modul Projektrealisierung

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Legend: On track Low risk Medium High risk Unassigned



Zwischenstand – Prozessanalyse

Darstellung des Standardprozesses	High Risk	Ali, Henrik, Tobias	<div><div></div></div> 75%	5/30/2024	25
Darstellung von Abweichungen	Med Risk	Ali, Henrik, Tobias	<div><div></div></div> 10%	6/21/2024	10
Identifizierung von Bottlenecks	Med Risk	Ali, Henrik, Tobias	<div><div></div></div> 0%	6/21/2024	10
Vergleich der Effizienz verschiedener Airlines	Med Risk	Ali, Henrik, Tobias	<div><div></div></div> 0%	7/1/2024	11

03

Prozessanalyse



Airlines - Exploration

Number of cases ⓘ

2.25M

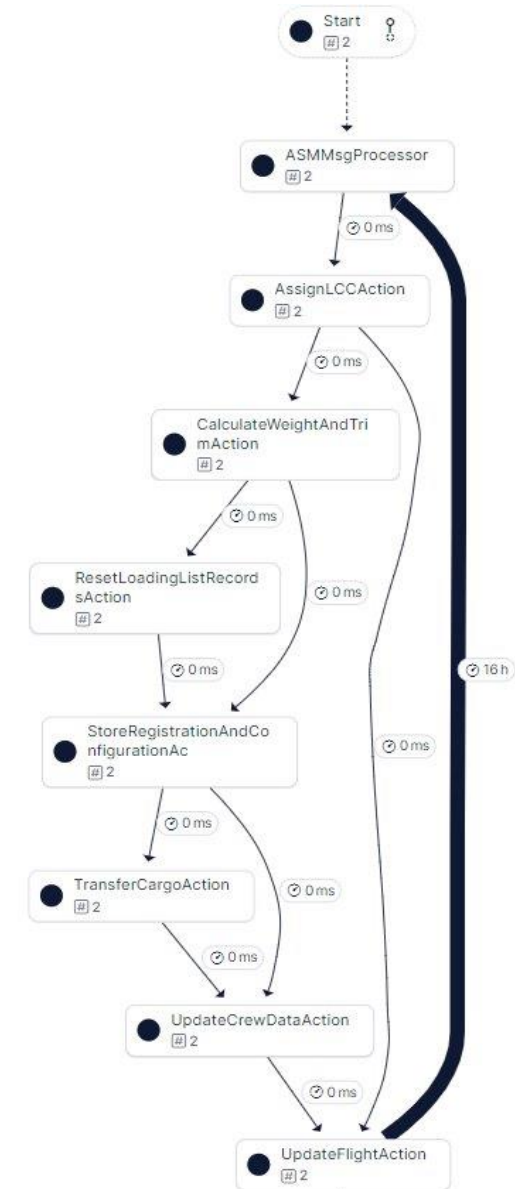
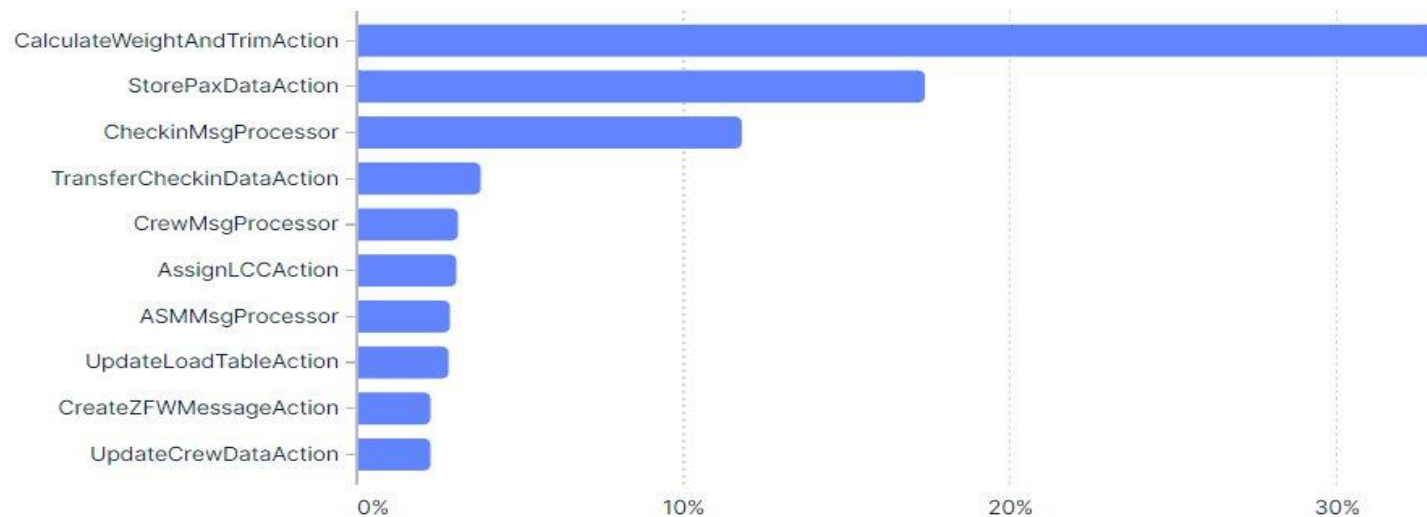
2.25M cases were found between Apr 2024 and May 2024.

Distinct activities ⓘ

67

67 distinct activities occurred a total of 2.25M times. The cases have an average of 1 activities.

Activity frequency ⓘ



Probleme & Learnings

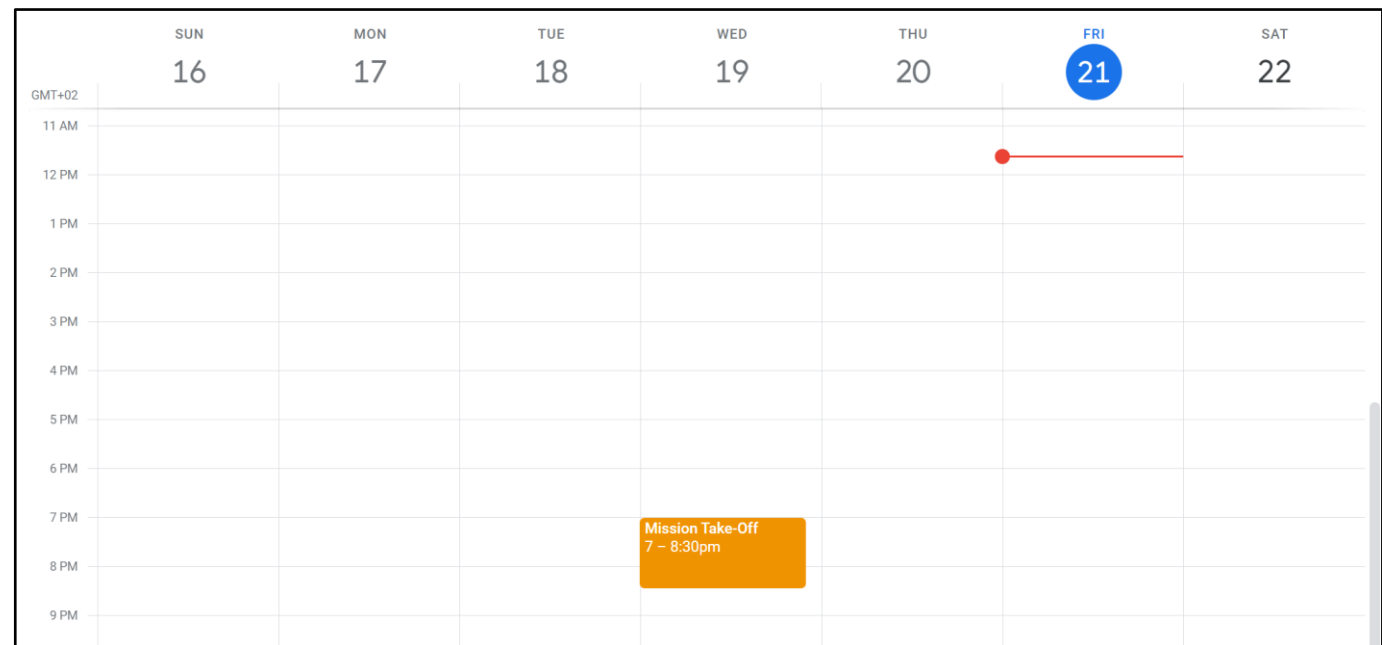
- Zeitdruck & unvorhergesehene Ereignisse

Datenanalyse Katharina
4:30 – 6pm

Datenanalyse Henrik
2:30 – 4pm

Datenanalyse - Emre
1 – 2:30pm

Weekly



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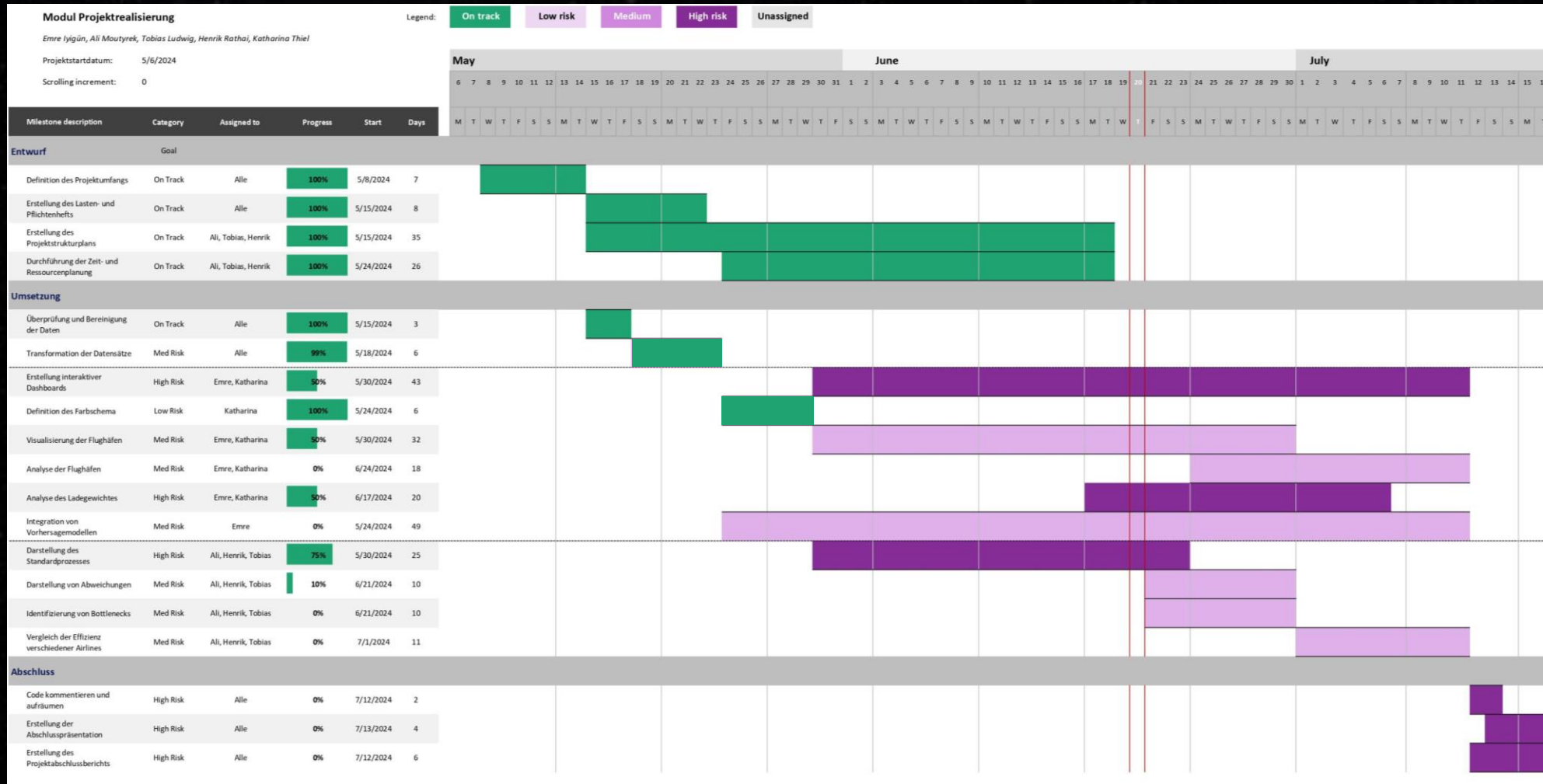
Zwischenstand



**Projektauftrag
FRA 24.05 11:17Uhr**

**Abschluss
HND 18.07 9 Uhr**

Next Steps



Datentransformation

Datenanalyse

Prozessanalyse

Abschluss

TOKYO

GO→TOKYO
The Official Tokyo Travel Guide





GO→TOKYO

The Official Tokyo Travel Guide

<https://www.gotokyo.org/en/index.html>