

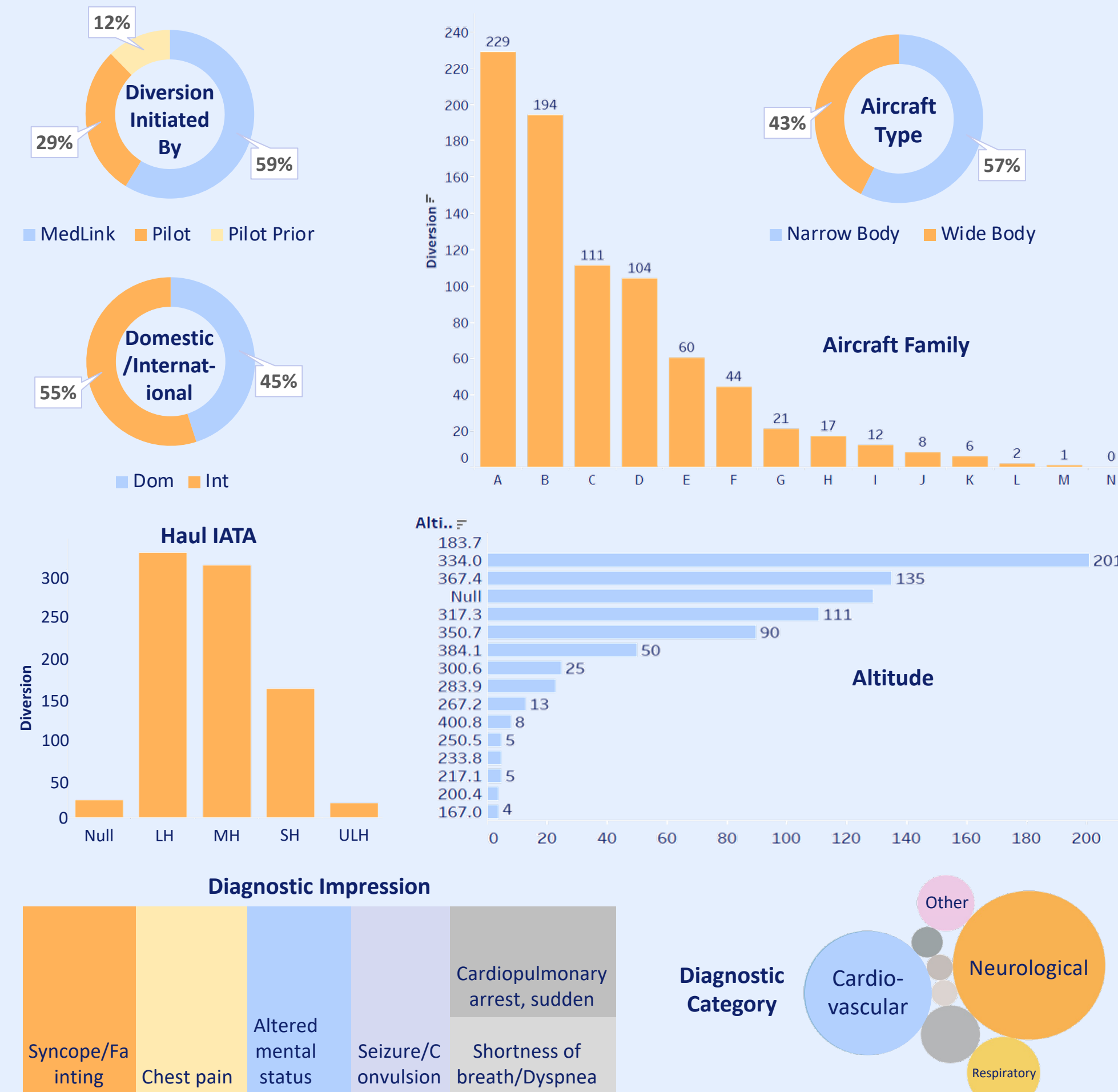
Business Problem



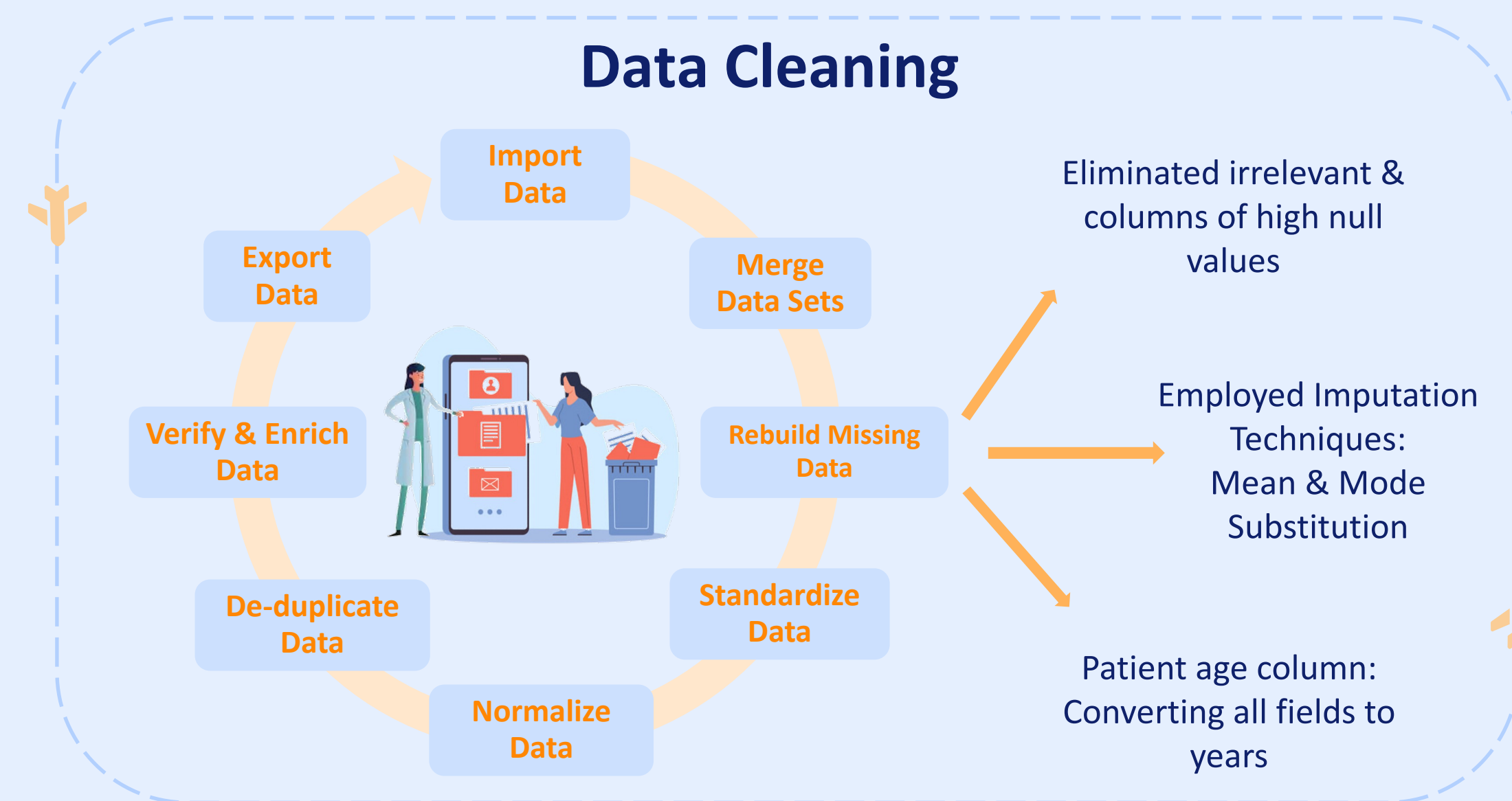
Objective



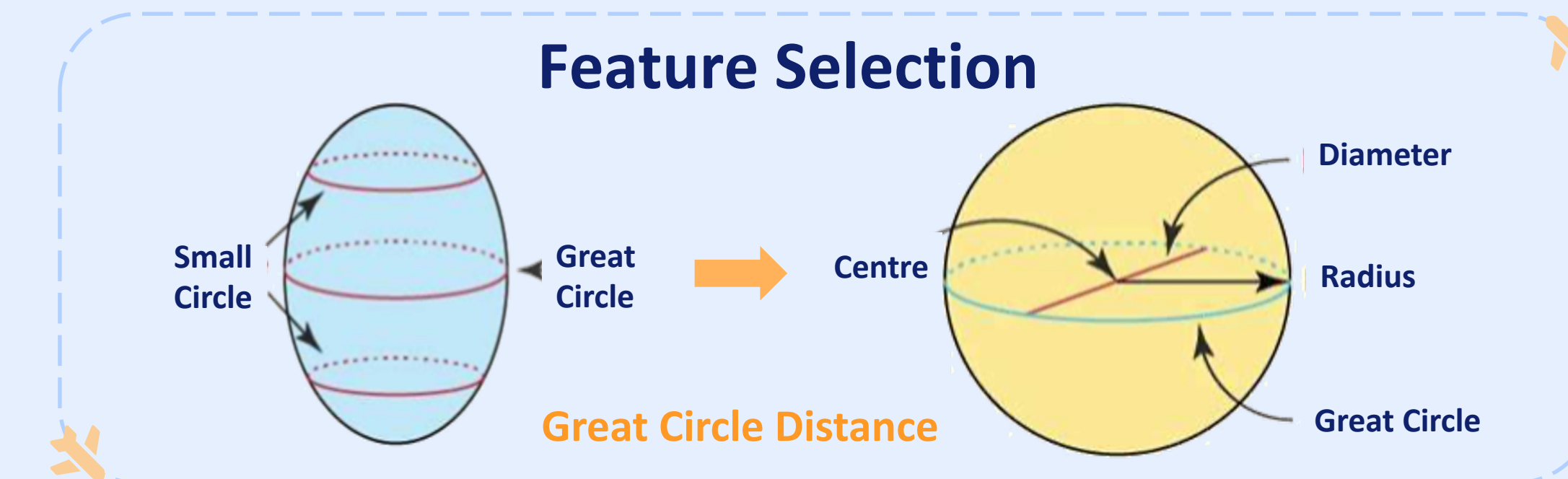
Data Visualization



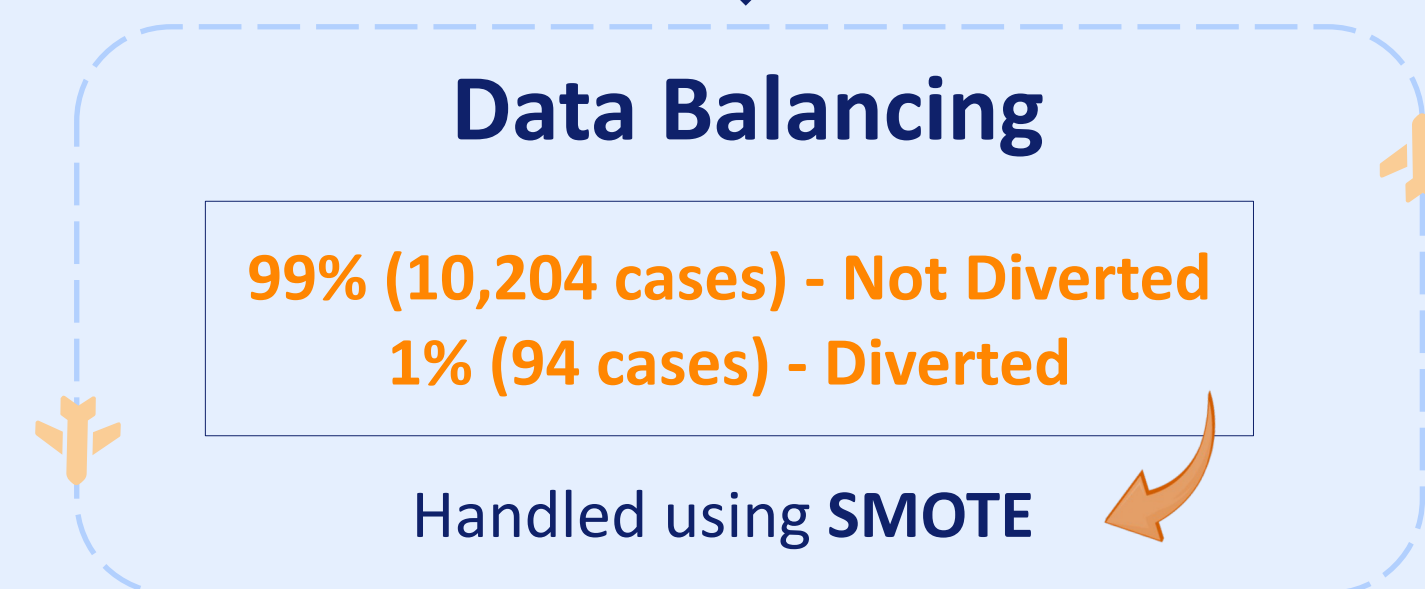
Data Cleaning



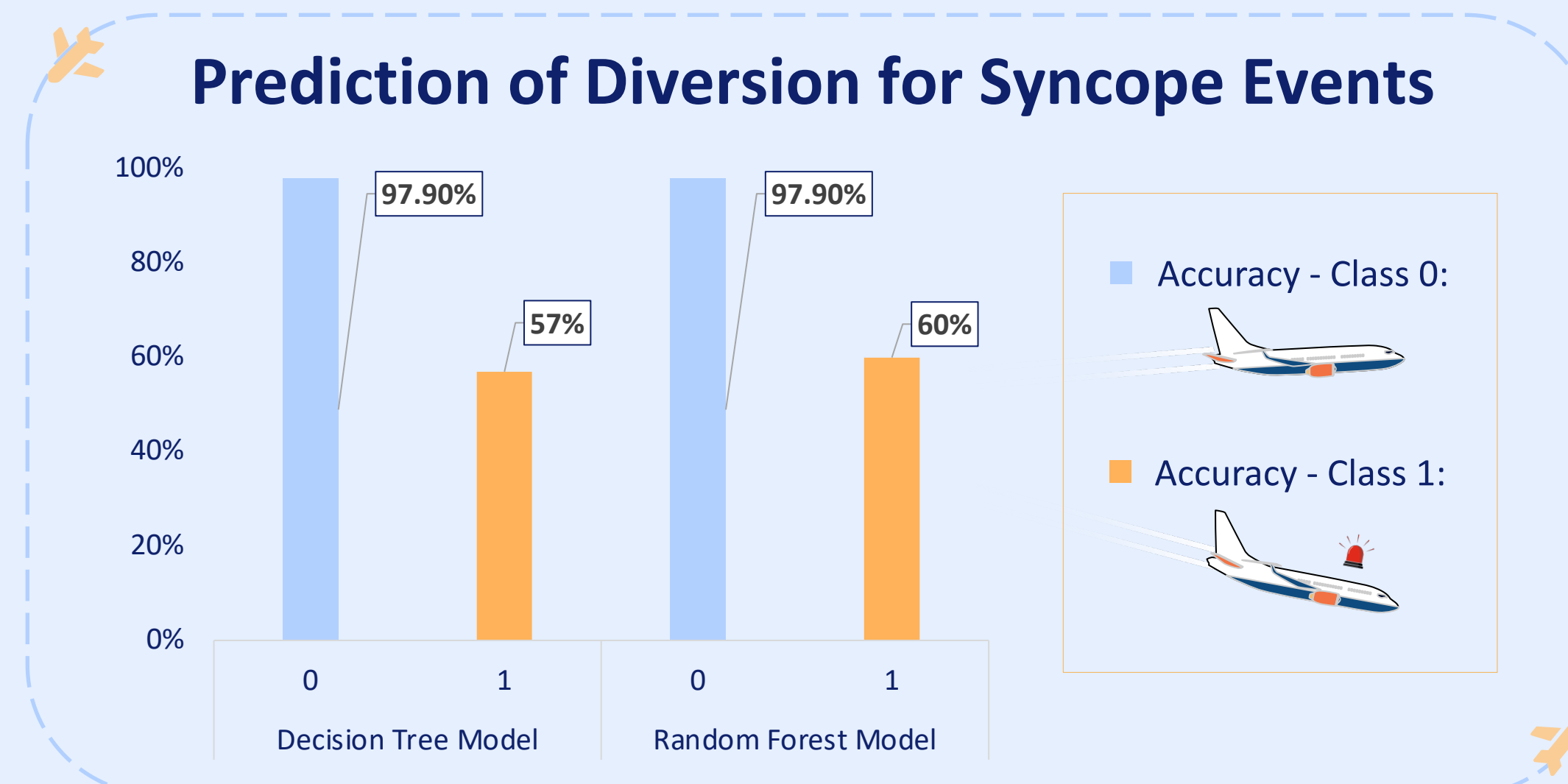
Feature Selection



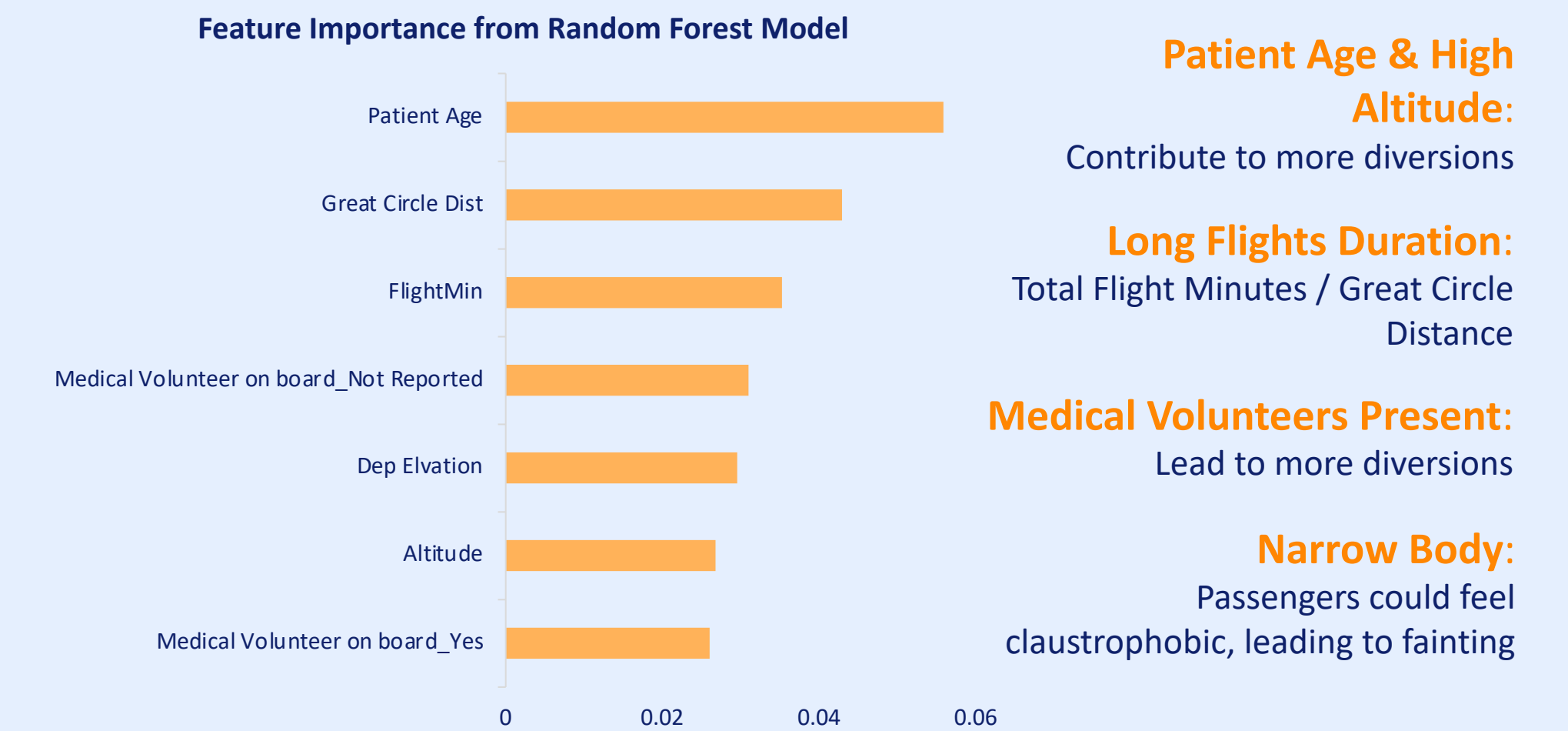
Data Balancing



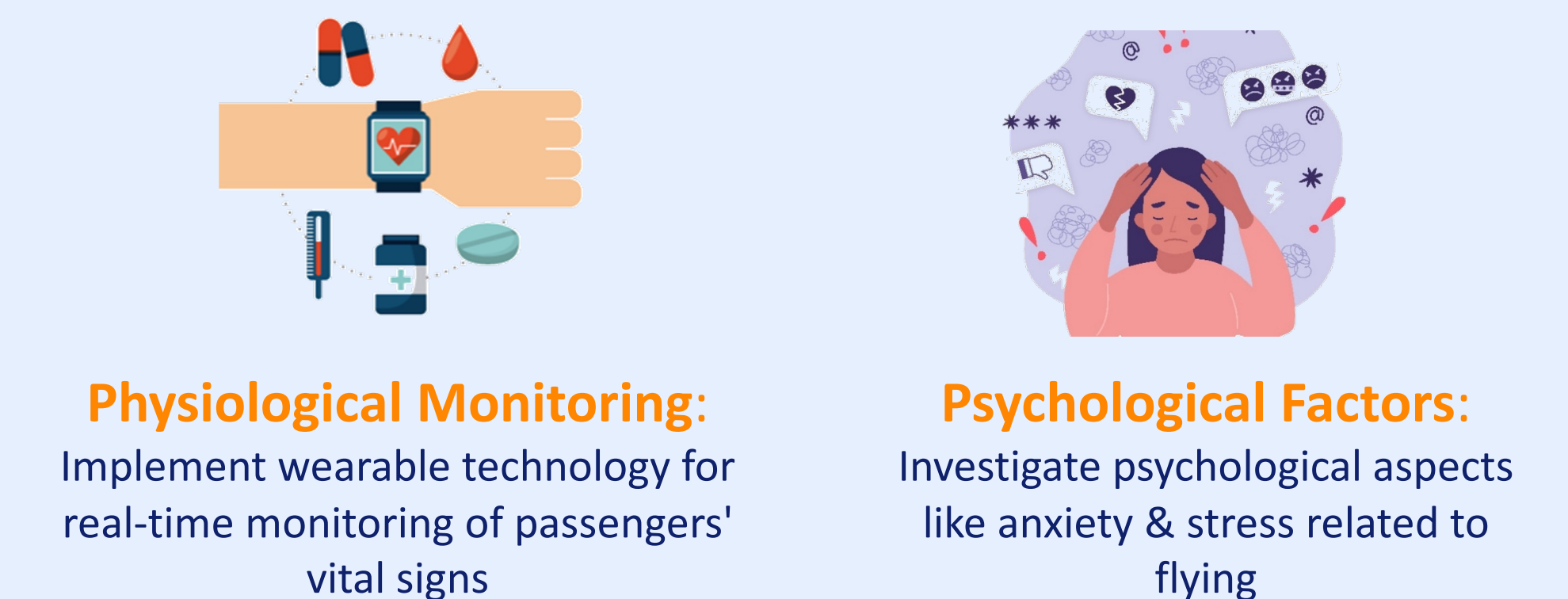
Prediction of Diversion for Syncope Events



Results



Future Work

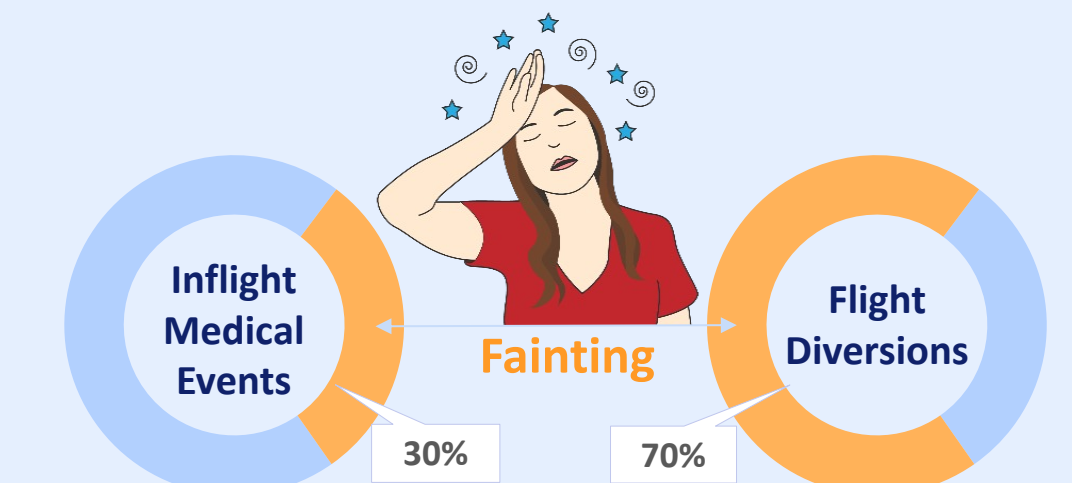


Literature Review

Common Causes [1, 3, 4]

- Drop in BP due to standing
- Alcoholism
- Diabetes
- Medication
- Low Oxygen

Prevalence [2, 6]



Management Strategy [5]



- Positioning the person in the aisle for assessment and monitoring
- Develop prevention strategies based on understanding root causes

Risk factors [6]

- Canadian Syncope Risk Score predicts serious events after fainting

References

- Simons et al., 2008
- Sandroni et al., 2009
- Goswami et al., 2012
- Chiang et al., 2012
- Hampson et al., 2013
- Kingsley et al., 2020