Allianz

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INTER-UNI DATATHON 2025

CASE REVEAL

monash data

MACS

DataSoc

DSCUBED
UNIVERSITY OF MELBOURNE

THE CASE

In this datathon, students are challenged to plan the ultimate ski holiday for 2026. Using the provided visitation and climate datasets, along with any other publicly available information, they must identify the optimal week and ski resort for a winter getaway. Key considerations include visitor numbers, weather patterns, prices, and the unique features of each resort. Students are also expected to use engaging visuals to communicate their insights and recommendations.

This challenge calls on participants to apply their data analysis skills creatively, think critically about the trade-offs between weather, prices, timing, and number of visitors, and craft a compelling story that convinces judges why their choice stands out. From predicting peak visitor periods to pinpointing ideal snow conditions, the students' insights will shape the vision of the ultimate alpine adventure.

MARKING CRITERIA

Criteria	Consideration	Marks
Analysis	• Effective use of visitation and climate datasets to explore seasonal, weekly, and daily patterns. • Identifies and explains key drivers behind visitation peaks and troughs. • Applies appropriate statistical or predictive techniques (e.g., trend analysis, forecasting, clustering). • Visualisations are clear, accurate, well-labelled, and enhance interpretation. • Evidence of thoughtful data cleaning, integration, and handling of missing values or inconsistencies.	10
Creativity	• Considers unique, resort-specific features (e.g., accessibility, pricing, accommodation, terrain). • Incorporates relevant external datasets (e.g., flight costs, accommodation prices, snowfall history, event calendars) to add depth. • Brings out novel or unexpected insights beyond the obvious patterns. • Demonstrates originality in approach, analysis methods, or visual storytelling. • Builds a compelling narrative that connects the data to the “ultimate ski holiday” theme.	10
Recommendations	• Recommendations are strongly evidence-based and logically follow from analysis. • Identifies the optimal week and resort with clear justification. • Considers trade-offs between weather, visitor numbers, prices, and convenience. • Demonstrates awareness of real-world constraints (e.g., budgets, transport, accommodation limits). • Recommendations are realistic, actionable, and tailored to the challenge.	10
Presentation Quality	• Slides are well-structured, visually appealing, and professionally designed. • Clear and logical progression from problem statement to analysis to recommendations. • Storytelling techniques are used effectively to maintain interest and emphasise key points. • Visuals and examples are used strategically to support the narrative.	10

CONTACT US

Inter-Uni Organising Committee

University of Melbourne's Data Science Student Society (DSCubed)
https://www.dscubed.org.au/

Monash Data and AI Society (MDAS)
https://monashdata.com

University of New South Wales Data Science Society (DataSoc)
https://www.unswdata.com

Macquarie Association of Computing Students (MACS)
https://macs.codes/