DELTA

Flight Scheduling Optimization

Brian Bumpers | Himadri Mondal | Jegan Selvaraj | Terrence Tipton
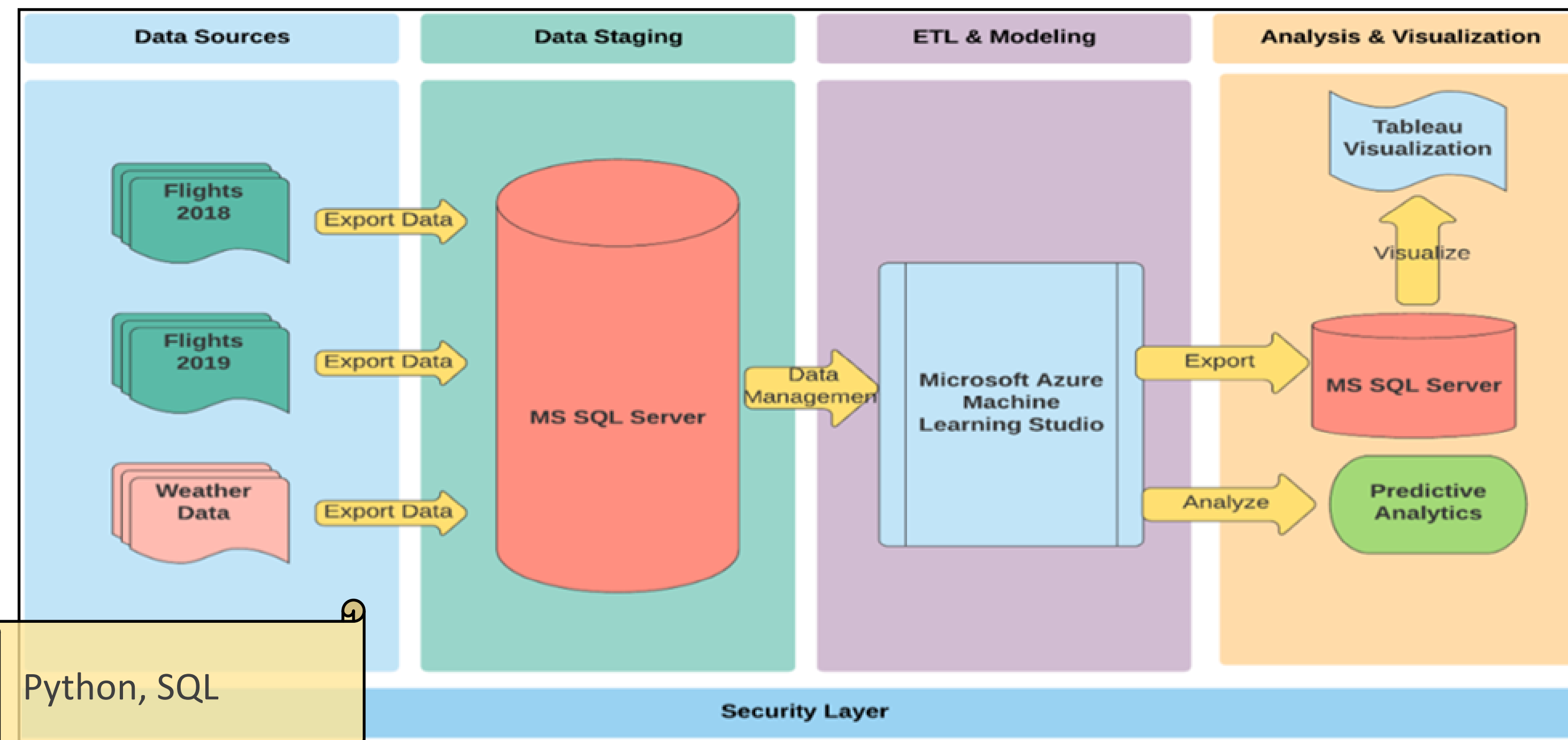
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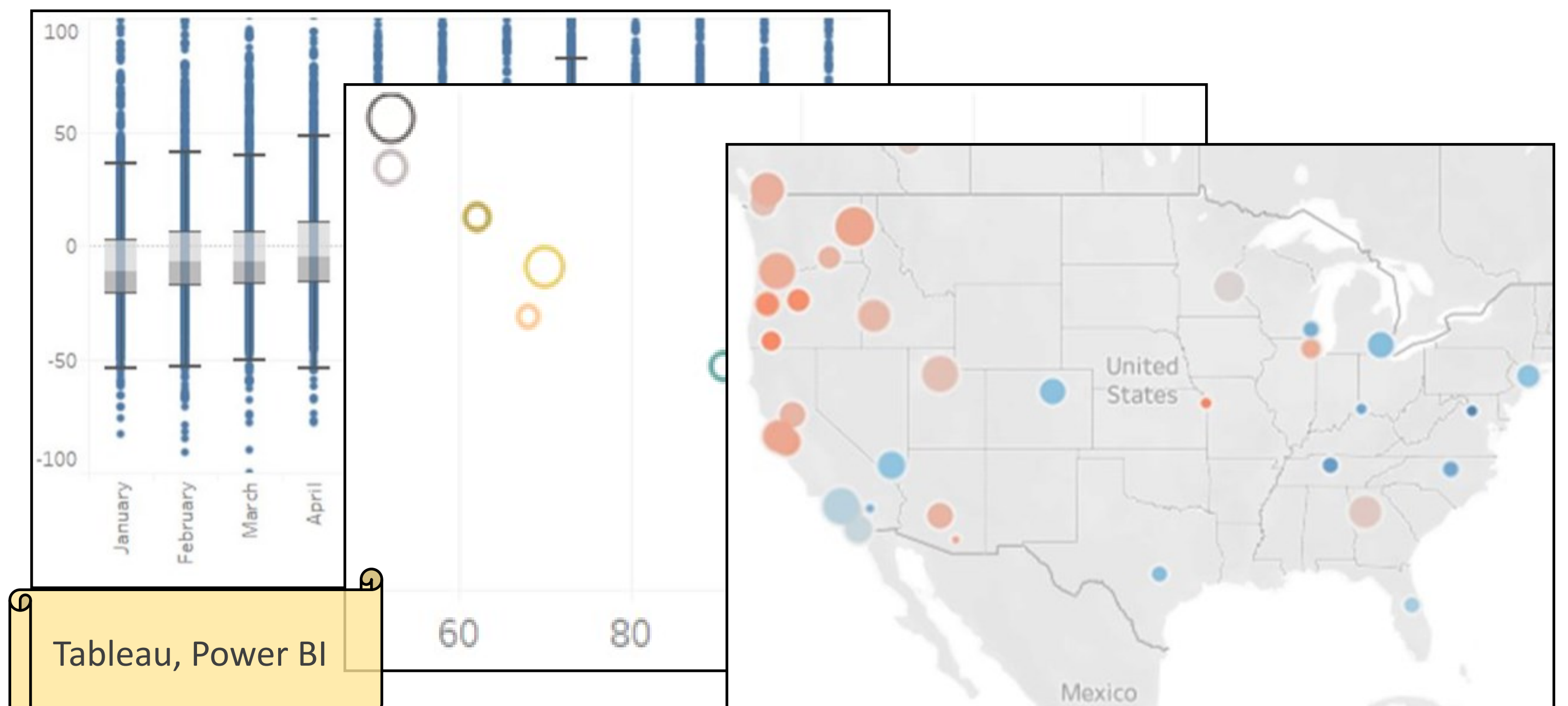### UNIVERSITY of WASHINGTON | TACOMA

Business Objective: Utilize analytics to optimize flight schedules through key gates at Seattle-Tacoma International Airport.

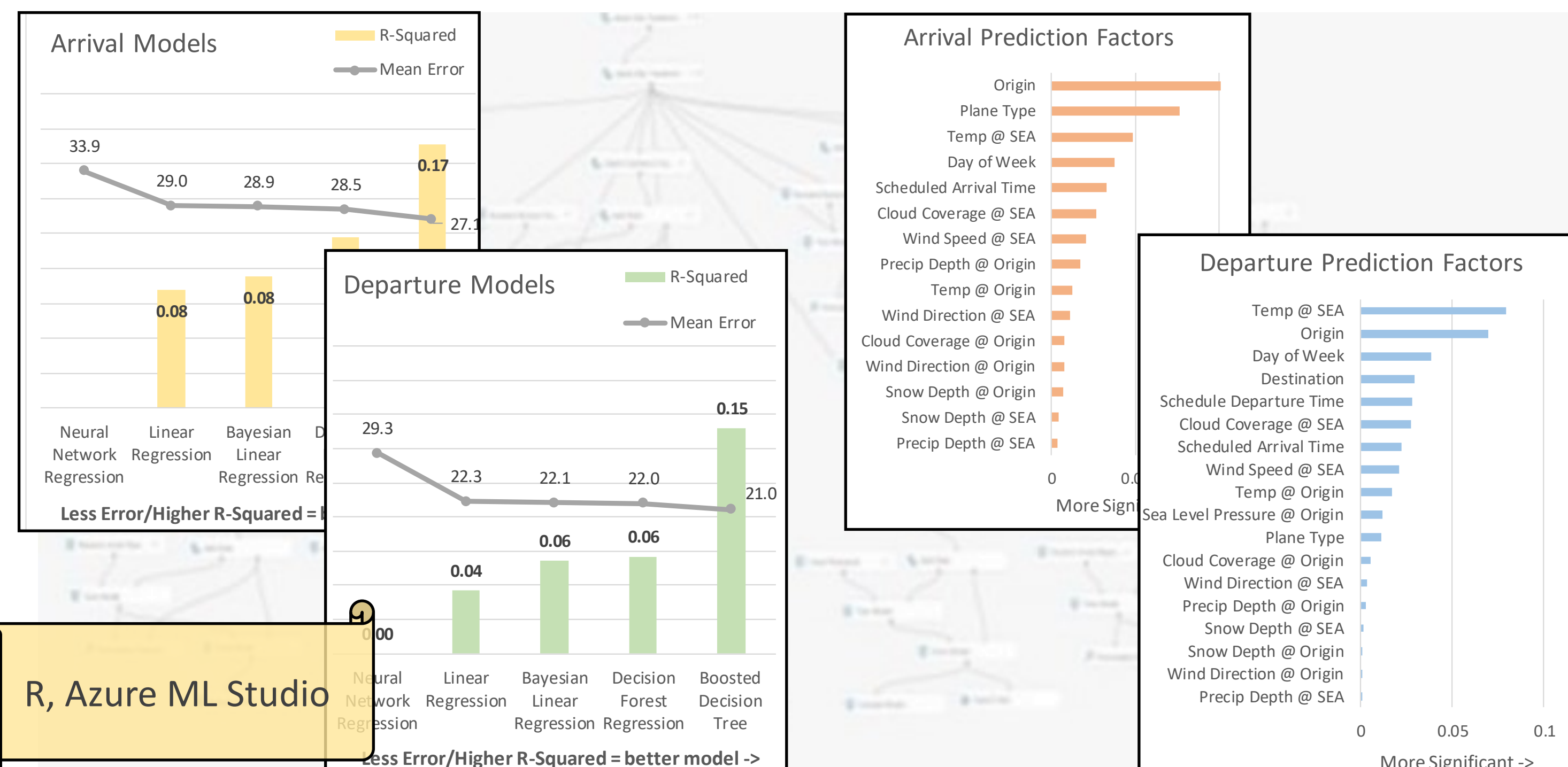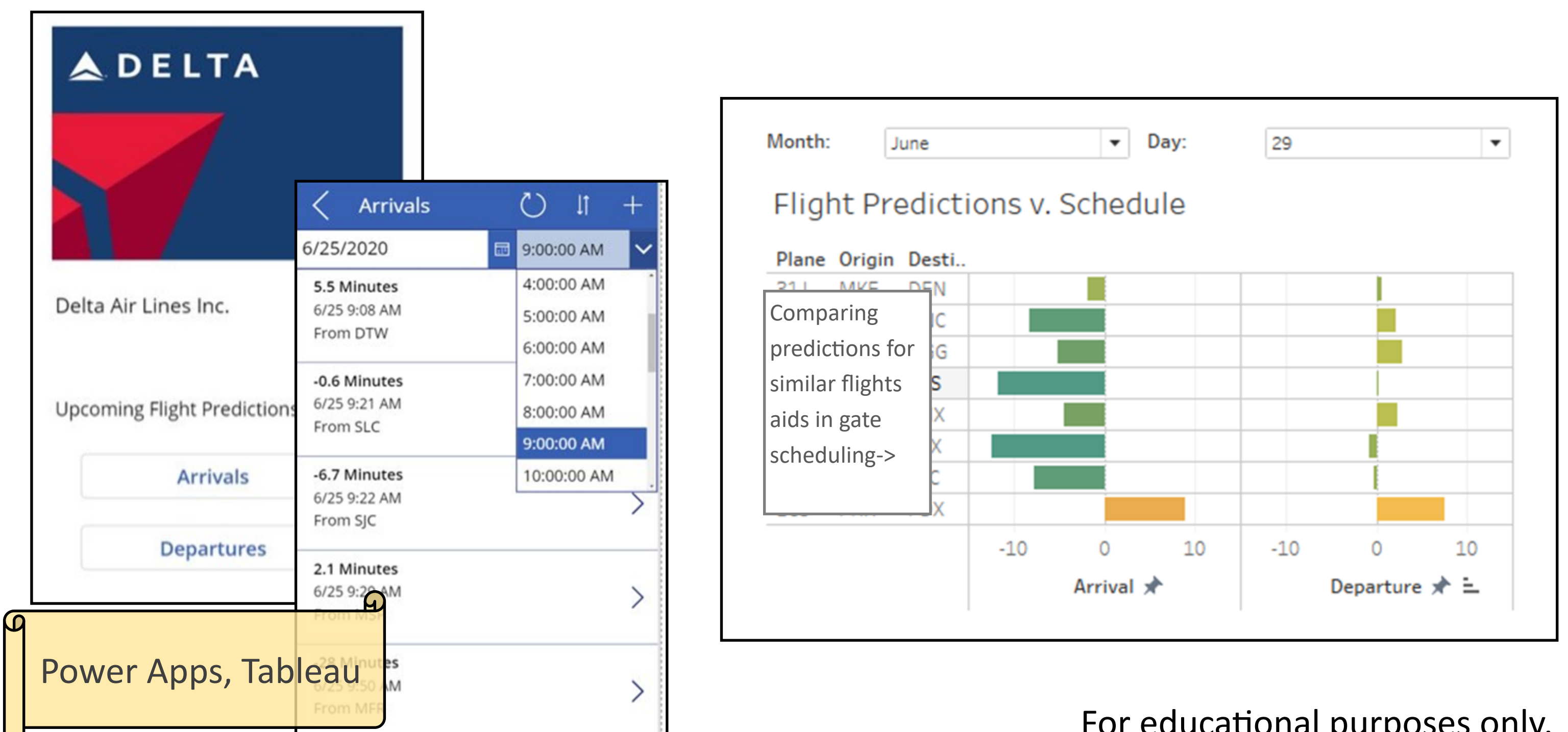## Phase 1: Business understanding and data architecture

Python, SQL

Phase 2: Descriptive/Diagnostic Analytics - Why are flights early/late?

Tableau, Power BI

Phase 3: Predictive Analytics - Predict arrival & departure schedule deviations

R, Azure ML Studio

Phase 4: Prescriptive & Cognitive Analytics - Web apps & scheduling tools

Power Apps, Tableau

For educational purposes only.