Neo4j Scripts

# // Load Nodes

## // Load Flights

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/flights.csv" AS flights CREATE (n:Flights {number: flights.Flight, departTime: flights.Dep\_Time, arrivalTime: flights.Arr\_Time, distance: flights.Distance, airTime: flights.Air\_Time});

## // Load Airlines

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/airlines.csv" AS airlines CREATE (:Airlines {airlineCode: airlines.Carrier, airlineName: airlines.Name});

## // Load Airports

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/airports.csv" AS airports CREATE (:Airports {airportCode: airports.FAA, airportName: airports.Name});

# // Load Relationships

## // Load Flights to Departure Airport

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/flights.csv" AS flights MATCH (a:Flights {number: flights.Flight}), (b:Airports {airportCode: flights.Origin}) MERGE (a)-[r:Departs]->(b);

## // Load Flights to Arrival Airport

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/flights.csv" AS flights MATCH (a:Flights {number: flights.Flight}), (b:Airports {airportCode: flights.Dest}) MERGE (a)-[r:Arrives]->(b);

## // Load Flights to Arrival Airport

USING PERIODIC COMMIT LOAD CSV WITH HEADERS FROM "https://raw.githubusercontent.com/ChadRyanBailey/607-Data-Acquisition-and-Management/master/607-Week12-Assignment/03\_flights2\_exports/flights.csv" AS flights MATCH (a:Flights {number: flights.Flight}), (b:Airlines {airlineCode: flights.Carrier}) MERGE (a)-[r:Flown\_By]->(b);