

James Holden  
Alan Labasouer  
11/20/2017

#### Functional Dependencies:

PID → fName, lName, age  
PID → HADE, favoriteVideoGame  
PID → chairPreference, preferredDrink, hangoverCure  
PID → yearsFlying, golfHandicap, spouseName  
SID → name, tailNumber, weight, fuelType, crewCapacity  
SysID → name, description, costUSD  
PartID → name, description, costUSD  
SupplierID → name, address, paymentTerms

#### 3rd Normal Form:

This database is in 1NF because there are no columns that will have more than one value for a cell, because every attribute has its own column. It is in 2NF because it is in 1NF and no non-prime attribute is dependent on any candidate keys. It is in 3NF because it is in 2NF and there are no transitive functional dependencies. It is BCNF because its in 3NF and each functional dependency is dependent on the primary key of the table.