2003

################# AIRLINES VARIABLES #################
There are 29 variables in the total data set.

Variable Information:

Col	Variable Name	Description
1	Year	Year from within 1987-2008
2	Month	Month from within 1-12
3	DayofMonth	Day from within 1-31
4	DayOfWeek	Day of Week from within 1 (Monday) - 7 (Sunday)
5	DepTime	Actual Departure Time (local time: hhmm)
6	CRSDepTime	Scheduled Departure Time (local time: hhmm)
7	ArrTime	Actual Arrival Time (local time: hhmm)
8	CRSArrTime	Scheduled Arrival Time (local time: hhmm)
9	UniqueCarrier	Unique Carrier Code. When the same code has been used by multiple carriers, a numeric suffix is used for earlier users, for example, PA, PA(1), PA(2). Use this field for analysis across a range of years.
10	FlightNum	Flight Number
11	TailNum	Plane Tail Number
12	ActualElapsedTime	Actual Elapsed Time of Flight, in Minutes
13	CRSElapsedTime	Scheduled Elapsed Time of Flight, in Minutes
14	AirTime	Flight Time, in Minutes
15	ArrDelay	Difference in minutes between scheduled and actual arrival time. Early arrivals show negative numbers.
16	DepDelay	Difference in minutes between scheduled and actual departure time. Early departures show negative numbers.
17	Origin	Origin IATA Airport Code
18	Dest	Destination IATA Airport Code
19	Distance	Distance between airports (miles)
20	TaxiIn	Taxi In Time, in Minutes
21	TaxiOut	Taxi Out Time, in minutes
22	Cancelled	Cancelled Flight Indicator (1 = Yes, 0 = No)
~~23~~	~~CancellationCode~~	~~Specifies The Reason For Cancellation (A = carrier, B = weather, C = NAS, D = security)~~
24	Diverted	Diverted Flight Indicator (1 = Yes, 0 = No)
~~25~~	~~CarrierDelay~~	~~Carrier Delay, in Minutes~~
~~26~~	~~WeatherDelay~~	~~Weather Delay, in Minutes~~
~~27~~	~~NASDelay~~	~~National Air System Delay, in Minutes~~
~~28~~	~~SecurityDelay~~	~~Security Delay, in Minutes~~
~~29~~	~~LateAircraftDelay~~	~~Late Aircraft Delay, in Minutes~~

Missingness in Variables
The following data is missing:

Year Span	Variable Data Missing
1987 - 1994	TailNum, TaxiIn, TaxiOut, Cancelled, CancellationCode
1987 - 2003	CancellationCode, CarrierDelay, WeatherDelay, NASDelay, SecurityDelay, LateAircraftDelay

################# AIRPORTS VARIABLES #################
There are 7 variables in the total data set.

Variable Information:

Col	Variable Name	Description
1	iata	IATA airport code (e.g. ORD)
2	airport	Name of Airport (e.g. O'Hare Airport)
3	city	City Airport Resides in (e.g. Chicago)
4	state	State Airport Resides in (e.g. IL)
5	country	Country Airport Resides in (e.g. USA)
6	lat	Latitude of Airport Location
7	long	Longitude of Airport Location

################# CARRIERS VARIABLES #################
There are 2 variables in the total data set.

Variable Information:

Col	Variable Name	Description
1	Code	Carrier code (e.g. AA)
2	Description	Name of Carrier (e.g. American Airlines Inc.)

################# PLANE-DATA VARIABLES #################
There are 2 variables in the total data set.

Variable Information:

Col	Variable Name	Description
1	tailnum	Plane Tail Number (e.g. N199UA)
2	type	Type of Registration (e.g. CORPORATION)
3	manufacturer	Manufacturer of Plane (e.g. Boeing)
4	issue_date	Certificate Issued Date, MM/DD/YYYY
5	model	Model of Plane (e.g. 747-422)
6	status	Registration Okay (e.g. Valid, missing means no)
7	aircraft_type	Type of Aircraft
8	engine_type	Type of Engine
9	year	Year Manufactured