

Variable Description for IO09.dta

The data set IO09.dta contains a panel of active and incumbent products in 81 markets originating at Dallas-Fort Worth airport over the period 1993-2000. A market is a directional city pair, e.g. Dallas to Wichita is a market and Wichita to Dallas is another market. A product is a market-quarter-carrier-stop/non-stop combination, e.g. American/non-stop/Dallas to Wichita/1995q1 is a product. Below I give a brief description of the variables included in the data set.

1. year- you get it
2. quarter -
3. dest- Destination City
4. origin - Origin City
5. uniquecarrier - 2 Letter IATA code for the carrier. A Directly owned regional affiliate is given the same name(by me) as its owner, e.g. American Eagle (MQ) has the same code as American (AA)
6. stop - Whether the product is a stop (1) or nonstop (0) product
7. k - Available seats
8. Q - Total passengers traveling over the route Origin to Destination
9. p - Price of the product (not sure exactly which I included here)
10. distance- Distance in miles between origin and destination cities.
11. q - Number of passengers traveling non-stop in the market Origin to Destination
12. geomeanpop - The geometric mean of the population of the origin and destination cities.

13. active - Firms that serve passengers in the market are active (1) firms that have "presence" (defined below) at the origin or destination but do not serve the market are inactive (0), alternatively they are potential entrants.
14. destpass - The number of passengers terminating at the destination airport for the indicated carrier, less the number of passengers traveling on the indicated route
15. destseats - The number of seats terminating at the destination airport for the indicated carrier, less the number of seats traveling on the indicated route.
16. destdepartsched- Number of departures scheduled for... (see previous 2)
17. destdepartperf - Number of departures actually performed
18. originpass - Number of passengers originating at the destination airport. A little confusing...originpass for AA in the market Dallas to Wichita is the total number of passengers that AA originates at the destination city Wichita.
19. originseats - I think you get it
20. origindepartsched -
21. origindepartperf -
22. Dalddpass - Total number of passengers terminating at Dallas Fort Worth or Dallas Love Field for the indicated carrier less the number of passengers traveling on the indicated route
23. Dalddseats - Total seats as above
24. Daldds - departures scheduled as above
25. Dalddp - departures performed as above
26. Dalopass - Total number of passengers terminating at Dallas Fort Worth or Dallas Love Field for the indicated carrier.
27. Daloseats - Total seats as above
28. Dalods - departures scheduled as above

29. Dalodp - departures performed as above

Variables 14-29 are all measures of airport presence. All the destination measures are likely to be highly collinear with one another as are the Dallas measures. There are approximately 20000 observations in the data set. Of these 10000 are potential entrant firms, defined as any firm with presence at either the origin or destination airport. The 10000 active observations are split roughly 5000 stop and 5000 non-stop. Chopping out the smaller firms ($q_i < 1000$) would be a useful way to cut down the size, as would restricting to only firms with a threshold level of presence. There are 25 total firms 21 firms that provide non-stop service.