

Sample Data Appendix #1 – Franco Palmer (Fall 2006)

Data Appendix

The API Score discussed earlier is the variable that was explained. This measures the overall average Standard Testing and Reporting scores for each school and is readily available 2-3 months after the students are tested in May.

School enrollment is an independent variable in the equation. The number of students enrolled at schools during the spring 2004 STAR test measures the enrollment.

Teacher experience is an independent variable in the equation. Its unit of measurement is the average number of years teaching experience at each school. The primary data source is the school district and county.

The pupil-teacher ratio is an independent variable. It is the number of students enrolled in the school divided by the number of certificated teachers in the school.

The percent of students in each school that received free or reduced lunch was the variable for a measurement of socioeconomic status (parents income and poverty status). It was measured as a percentage of the total enrollment at each school.

The percent of students that are minorities is an independent variable. This data was derived from the total enrollment (100%) less the percent students that are white (not Hispanic). The percentage represents the Hispanic, Asian, African American, Pacific Islander, and Native Indian population at the schools. This raw data for all ethnicities were available but I used the percent white in each school to find the percentage minority in each school. Percent minority

was computed by using total number of students enrolled minus total number of whites enrolled divided by total enrolled.

The parental education attainment is the last variable. It was measured by a survey at the time the students took the STAR test. The variable measures the percentage of student's parents that did not graduate high school. This percentage shows what portion of the parents of each school graduated high school or not.

Data Sources:

California State Department of Education,

http://dq.cde.ca.gov/dataquest/API2005/2004Base_Dst.aspx?cYear=&cSelect=1062166&cChoice=2004BDst

(Accessed October 20, 2006)

Used for 2004 Base API

<http://dq.cde.ca.gov/dataquest/DistEnr2.asp?TheName=fresno&cSelect=1062166--FRESNO+UNIFIED&cChoice=DistEnrEt2&cYear=2003-04&cLevel=District&cTopic=Enrollment&myTimeFrame=S&submit1=Submit>

(Accessed October 20, 2006)

Used for 2004 Enrollment

<http://dq.cde.ca.gov/dataquest/EducExp3.asp?cDistrict=1062166--FRESNO^UNIFIED&RptYear=2003-04&RptName=DstEdExp1&RptFor=T&cSubmit=2>

(Accessed October 20, 2006)

Used for 2004 teachers experience level

<http://dq.cde.ca.gov/dataquest/DistEnr2.asp?TheName=fresno&cSelect=1062166--FRESNO+UNIFIED&cChoice=DistEnrEt2&cYear=2003-04&cLevel=District&cTopic=Enrollment&myTimeFrame=S&submit1=Submit>

(Accessed October 20, 2006)

Used for 2004 Minority percentage

<http://dq.cde.ca.gov/dataquest/Cbeds3.asp?puplTeach=on&FreeLunch=on&cSelect=1062166--FRESNO+UNIFIED&cChoice=DstProf2&cYear=2003-04&cLevel=District&cTopic=Profile&myTimeFrame=S&submit1=Submit>

(Accessed October 20, 2006)

Used for 2004 pupil-teacher ratio and free and reduced meals percentage

Rand California, http://ca.rand.org.proxy.lib.csus.edu/cgi-bin/annual_ed.cgi

(Accessed October 20, 2006)

Used for 2004 parental education attainment variable

Sample Data Appendix #1 – Matthew Cundith (Fall 2006)

Data Appendix

Variable	Primary Source	Secondary Source	Unit of Measure
Favorite Covered (FAVCOV)	N/A	N/A	Actual point differential versus spread (1 is yes, 0 is no)
Spread (SPREAD)	STATS, Inc.	ESPN online	Point value starting at zero
Home team favored (HTF)	N/A	N/A	Derived from the spread and the matchup
Fav ppg scored margin (FPPGSMGN)	N/A	N/A	The difference between fav ppg scored and fav ppg allowed
UD ppg scored margin (UDPPGSMGN)	N/A	N/A	The difference between UD ppg scored and UD ppg allowed
Fav Record against the spread (FRATS)	N/A	N/A	Games covered divided by total games
UD record against the spread (URATS)	N/A	N/A	Games covered divided by total games
Fav offense yds/drive diff (FOYDRDIFF)	Football Outsiders		Fav yds/drive gained minus UD yds/drive allowed
Fav defense yds/drive diff (FDYDDIFF)	Football Outsiders		Fav yds/drive allowed minus UD yds/drive gained
Fav offense pts/drive diff (FOPDDIFF)	Football Outsiders		Fav points/drive scored minus UD points/drive allowed
Fav defense pts/drive diff (FDPDDIFF)	Football Outsiders		Fav points/drive allowed minus UD points/drive scored
Fav offense turnovers/drive diff (FOTODIFF)	Football Outsiders		Fav offense turnovers/drive minus UD turnovers/drive

			forced
Fav defense turnovers/drive diff (FDTODIFF)	Football Outsiders		Fav turnovers/drive forced minus UD turnovers/drive

Primary Source: STATS, Inc. Secondary Source: ESPN Online

Data (Raw):

Spread: Point spread produced by Las Vegas

Points Scored: Each game's points scored by both teams. Additionally, it designates the home team and away team

Data (Derived):

Favorite Points Per Game Scored Margin: The difference between Favorite Points Per Game Scored and Favorite Points Per Game Allowed. Each point average accounts for statistics at home and on the road.

Underdog Points Per Game Scored Margin: See Favorite Points Per Game Scored Margin.

Favorite Record Against the Spread: Number of games a bet placed on team A would have been successful, regardless of whether they were favored or not, divided by the total number of games.

Underdog Record Against the Spread: See Favorite Record Against the Spread

Primary Source: Football Outsiders

Data (Raw):

Favorite Offense yards/drive Differential: Total offensive yards by favorite for the previous season divided by the total number of offensive drives for the previous season. Then subtract the

total defensive yards allowed by the underdog divided by the total number of drives from the previous season

Favorite Defense yards/drive Differential: Total defensive yards allowed by favorite for the previous season divided by the total number of defensive drives for the previous season. Then subtract the total offensive yards gained by the underdog divided by the total number of offensive drives from the previous season

Favorite Offense points/drive Differential: See Favorite Offensive yards/drive Differential

Favorite Defense points/drive Differential: See Favorite Defense yards/drive Differential

Favorite Offense turnovers/drive Differential: See Favorite Offense yards/drive Differential

Favorite Defense turnovers/drive Differential: See Favorite Defense yards/drive Differential