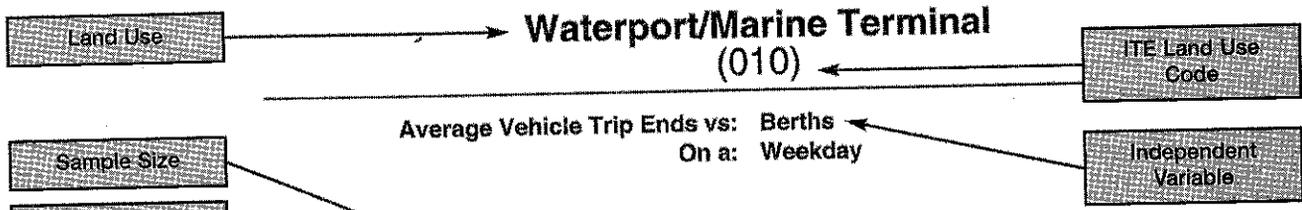


Figure V-1: Sample Data Page



Sample Size → Number of Studies: 7

Average size of independent variable → Average Number of Berths: 3

Percent of total trip ends entering and exiting site during indicated time period → Directional Distribution: 50% entering, 50% exiting

Trip Generation per Berth

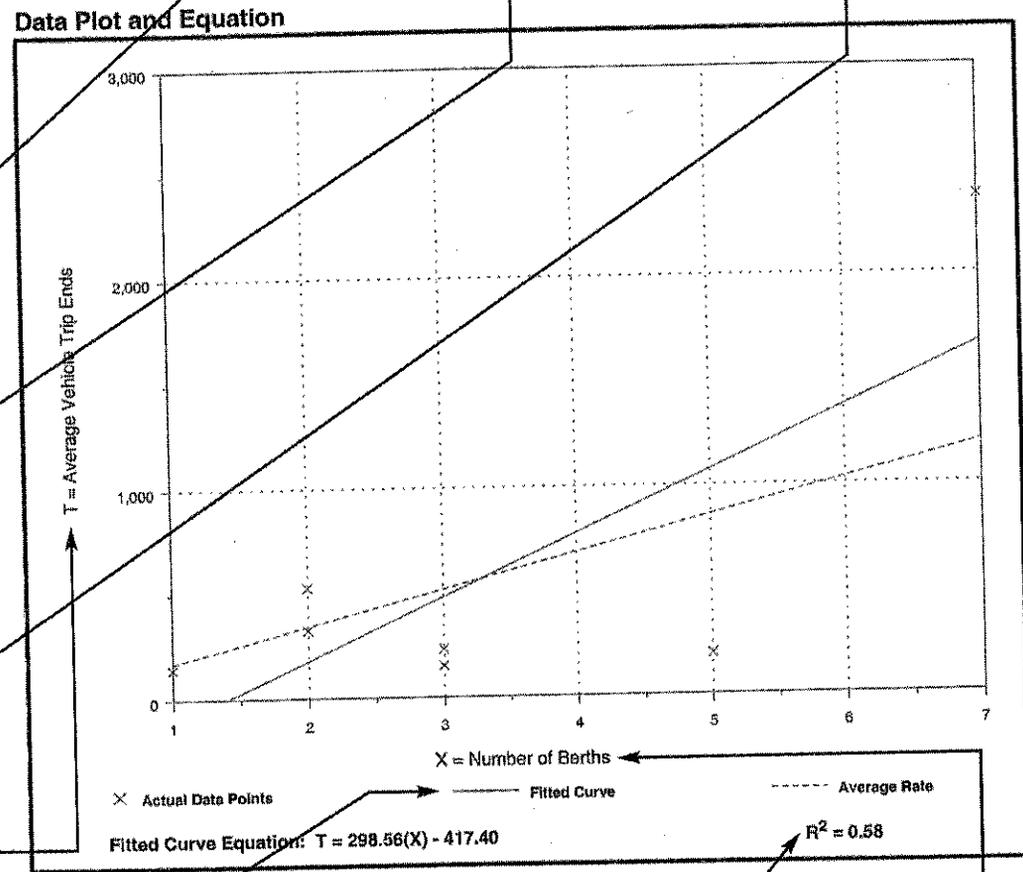
Average Rate	Range of Rates	Standard Deviation
171.52	38.60 - 338.57	130.72

Weighted Trip Generation Rate— The weighted average number of trip ends per one unit of independent variable (in this example, per berth).

Minimum and maximum trip generation rates from the entire range of studies reported.

The standard deviation estimates the difference among trip generation rates in all studies for a land use and independent variable.

Dependent Variable



Best fit regression equation; expresses the optimal mathematical relationship between two or more related variables. If the variables are related linearly, the equation will have the following format: $T = aX + b$. In a logarithmic relationship, the equation will have the following format: $\ln(T) = a \ln(X) + b$.

Measure of correlation between 2 variables, expressed on a scale of 0 to +1. The closer to +1 the R^2 is, the better the correlation between the variables.

Independent Variable

High-Turnover (Sit-Down) Restaurant (932)

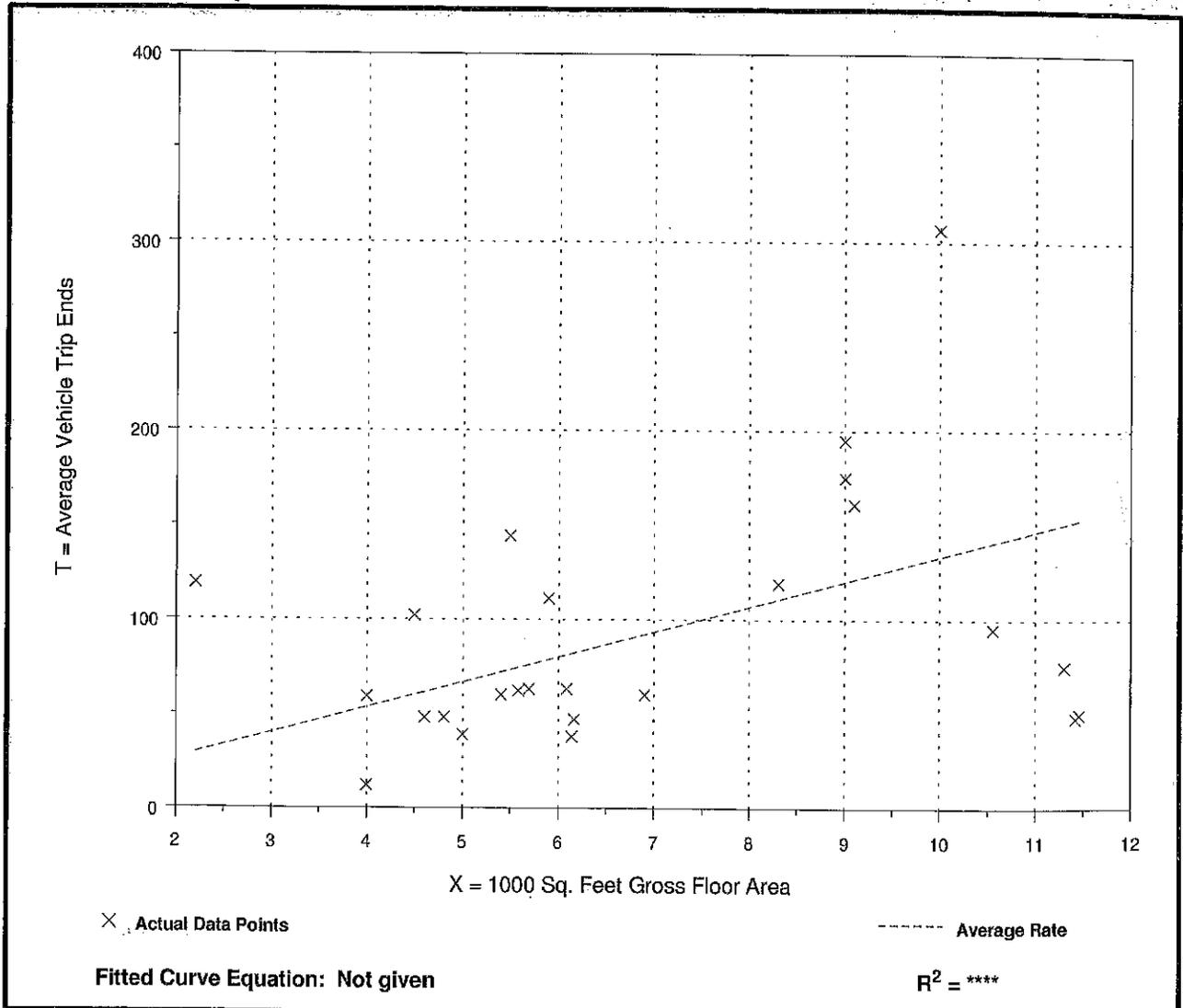
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
A.M. Peak Hour of Generator

Number of Studies: 25
 Average 1000 Sq. Feet GFA: 7
 Directional Distribution: 53% entering, 47% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
13.33	3.00 - 54.09	9.44

Data Plot and Equation



High-Turnover (Sit-Down) Restaurant (932)

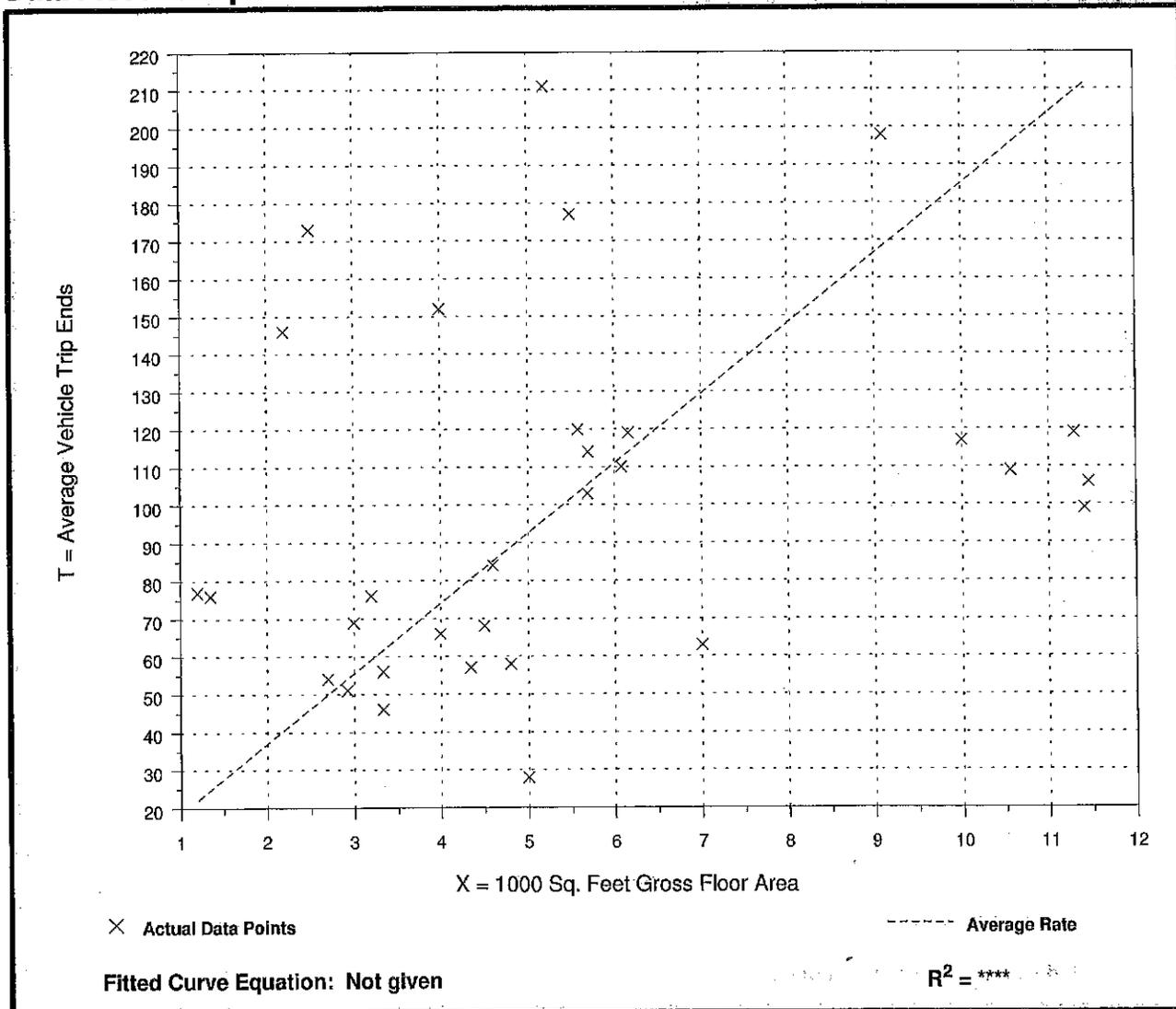
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
P.M. Peak Hour of Generator

Number of Studies: 31
Average 1000 Sq. Feet GFA: 5
Directional Distribution: 54% entering, 46% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
18.49	5.60 - 69.20	13.32

Data Plot and Equation



High-Turnover (Sit-Down) Restaurant (932)

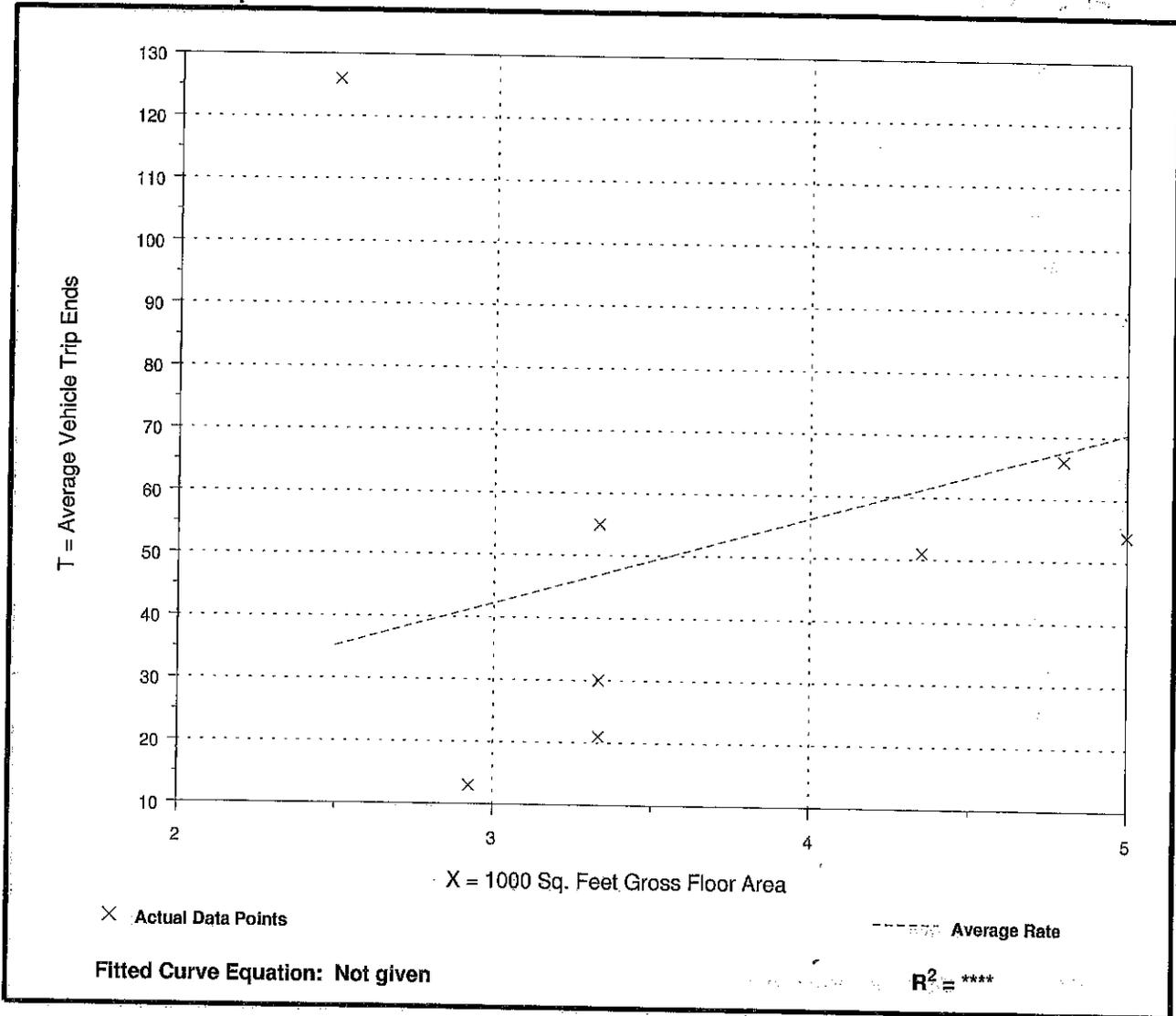
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Saturday,
Peak Hour of Generator

Number of Studies: 8
 Average 1000 Sq. Feet GFA: 4
 Directional Distribution: 53% entering, 47% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
14.07	4.44 - 50.40	12.19

Data Plot and Equation



Fast-Food Restaurant without Drive-Through Window (933)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
A.M. Peak Hour of Generator

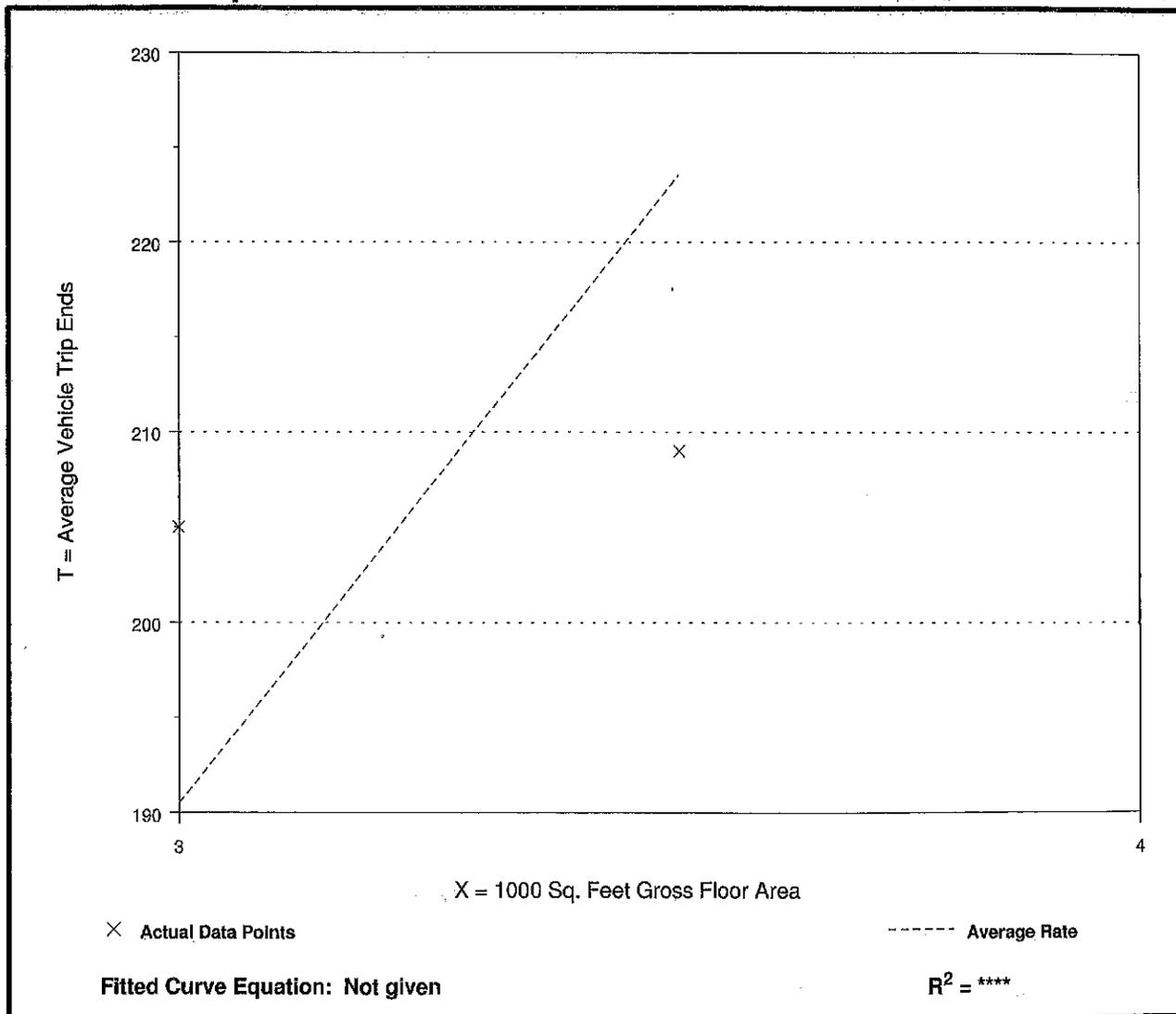
Number of Studies: 2
Average 1000 Sq. Feet GFA: 3
Directional Distribution: 52% entering, 48% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
63.50	59.38 - 68.33	*

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Fast-Food Restaurant without Drive-Through Window (933)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
P.M. Peak Hour of Generator

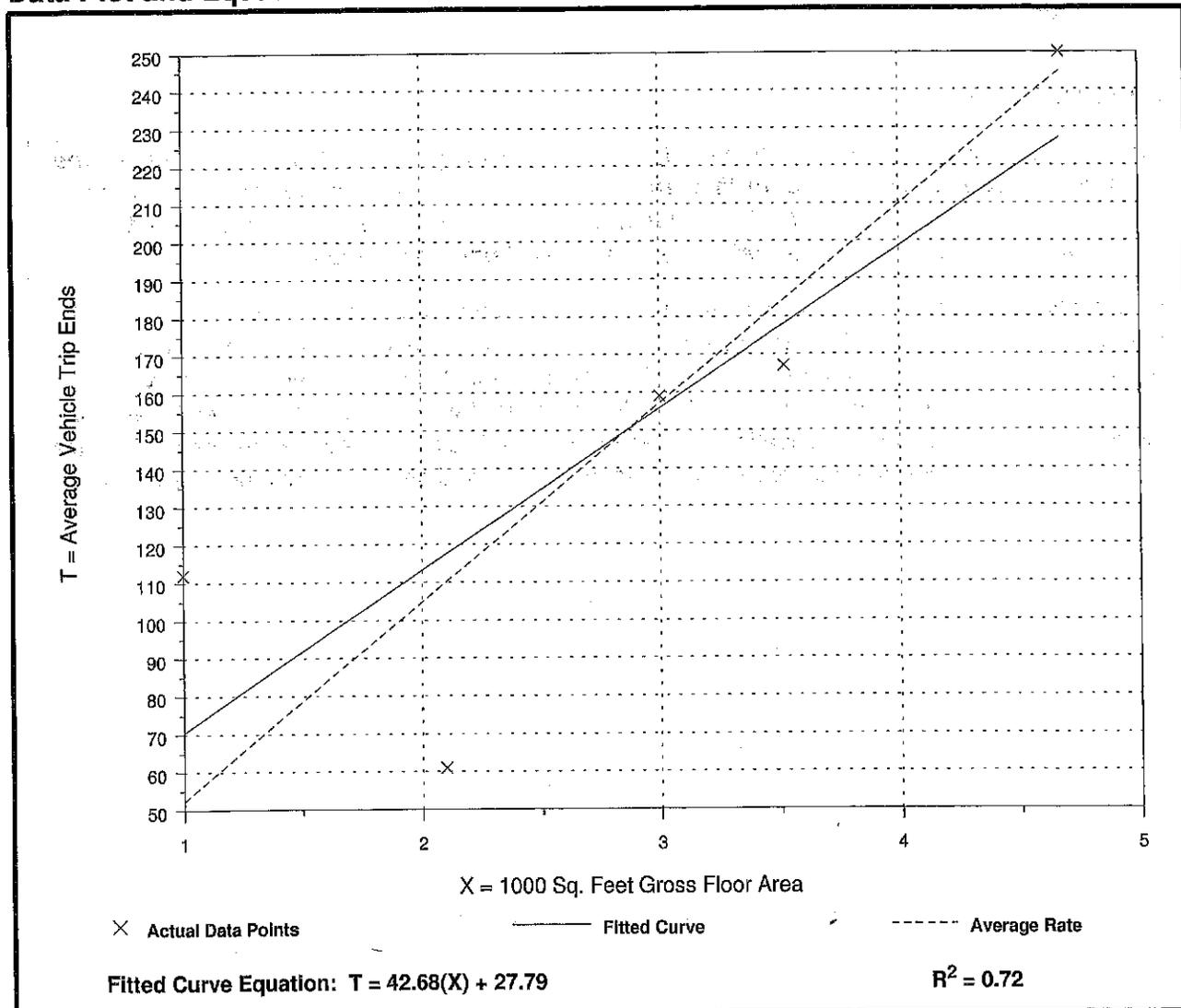
Number of Studies: 5
Average 1000 Sq. Feet GFA: 3
Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
52.40	29.05 - 112.00	19.86

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Fast-Food Restaurant with Drive-Through Window (934)

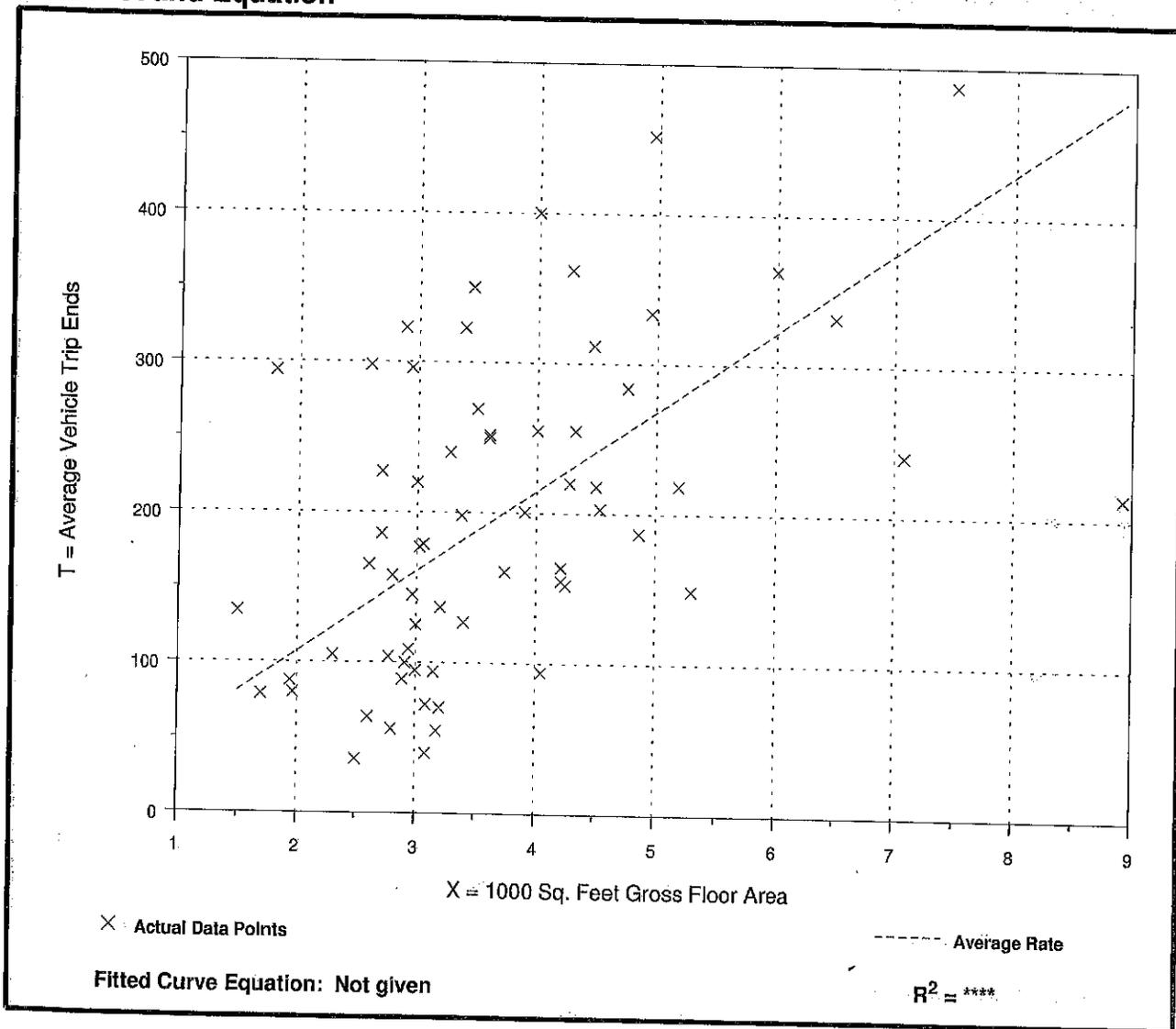
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
A.M. Peak Hour of Generator

Number of Studies: 65
Average 1000 Sq. Feet GFA: 4
Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
53.61	12.96 - 163.33	26.27

Data Plot and Equation



Fast-Food Restaurant with Drive-Through Window (934)

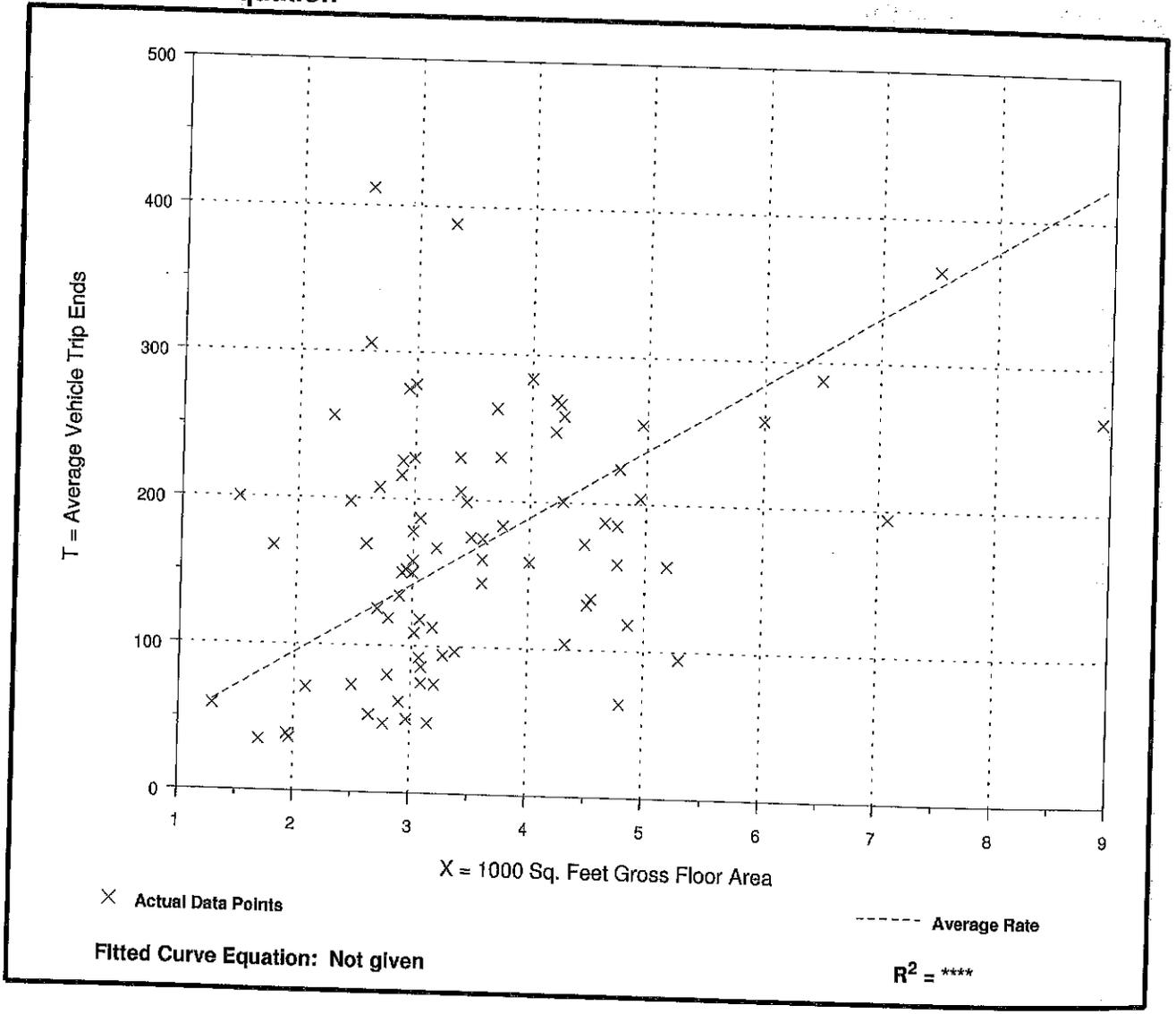
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
P.M. Peak Hour of Generator

Number of Studies: 81
Average 1000 Sq. Feet GFA: 4
Directional Distribution: 52% entering, 48% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
47.30	13.33 - 158.46	25.52

Data Plot and Equation



Fast-Food Restaurant with Drive-Through Window (934)

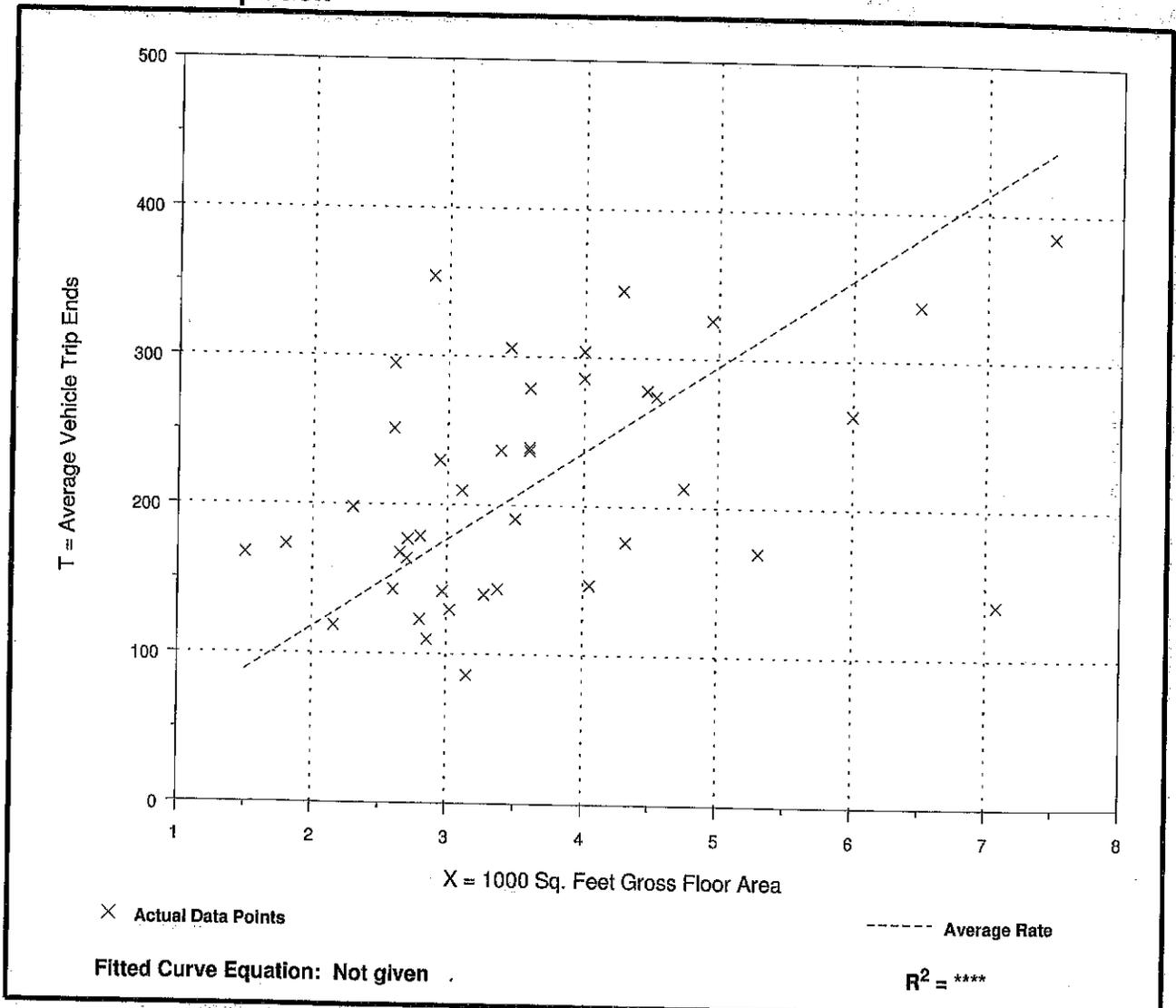
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Saturday,
Peak Hour of Generator

Number of Studies: 41
Average 1000 Sq. Feet GFA: 4
Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
59.00	19.21 - 122.49	22.89

Data Plot and Equation



Fast-Food Restaurant with Drive-Through Window and No Indoor Seating (935)

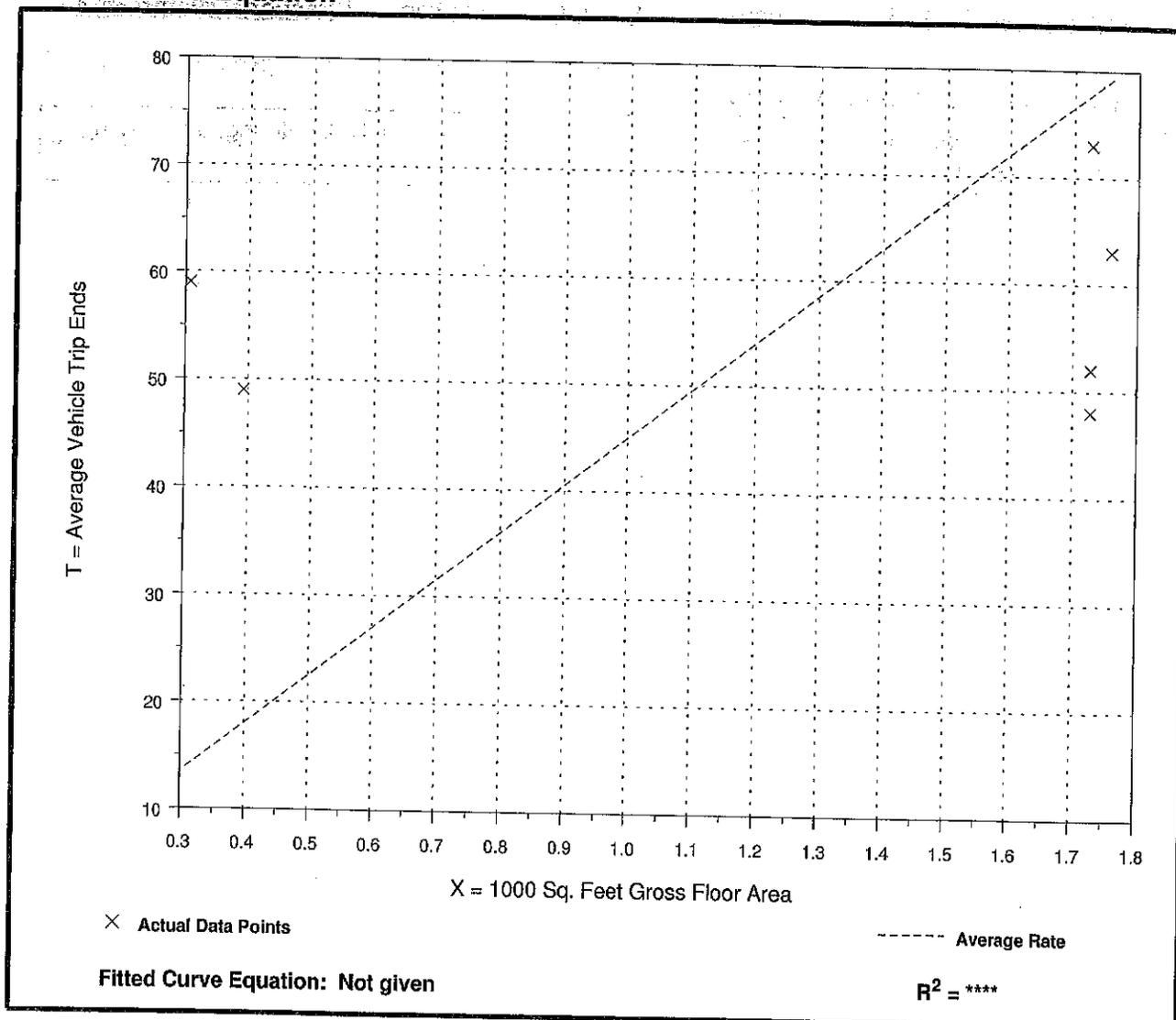
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Number of Studies: 6
Average 1000 Sq. Feet GFA: 1
Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
44.99	27.78 - 191.56	38.88

Data Plot and Equation



Coffee/Donut Shop without Drive-Through Window (936)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
A.M. Peak Hour of Generator

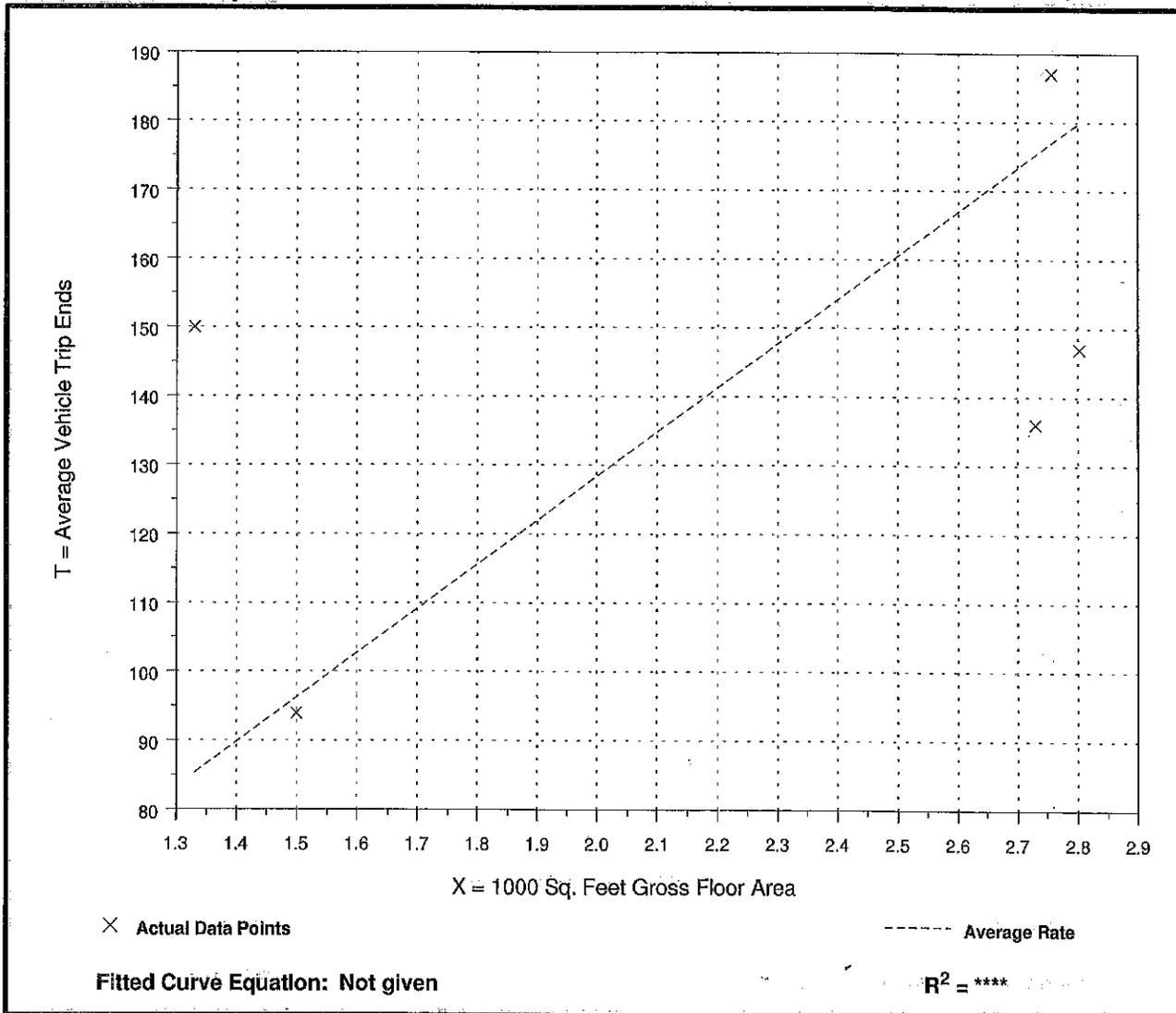
Number of Studies: 5
Average 1000 Sq. Feet GFA: 2
Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
64.21	49.82 - 112.78	21.09

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Coffee/Donut Shop without Drive-Through Window (936)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
P.M. Peak Hour of Generator

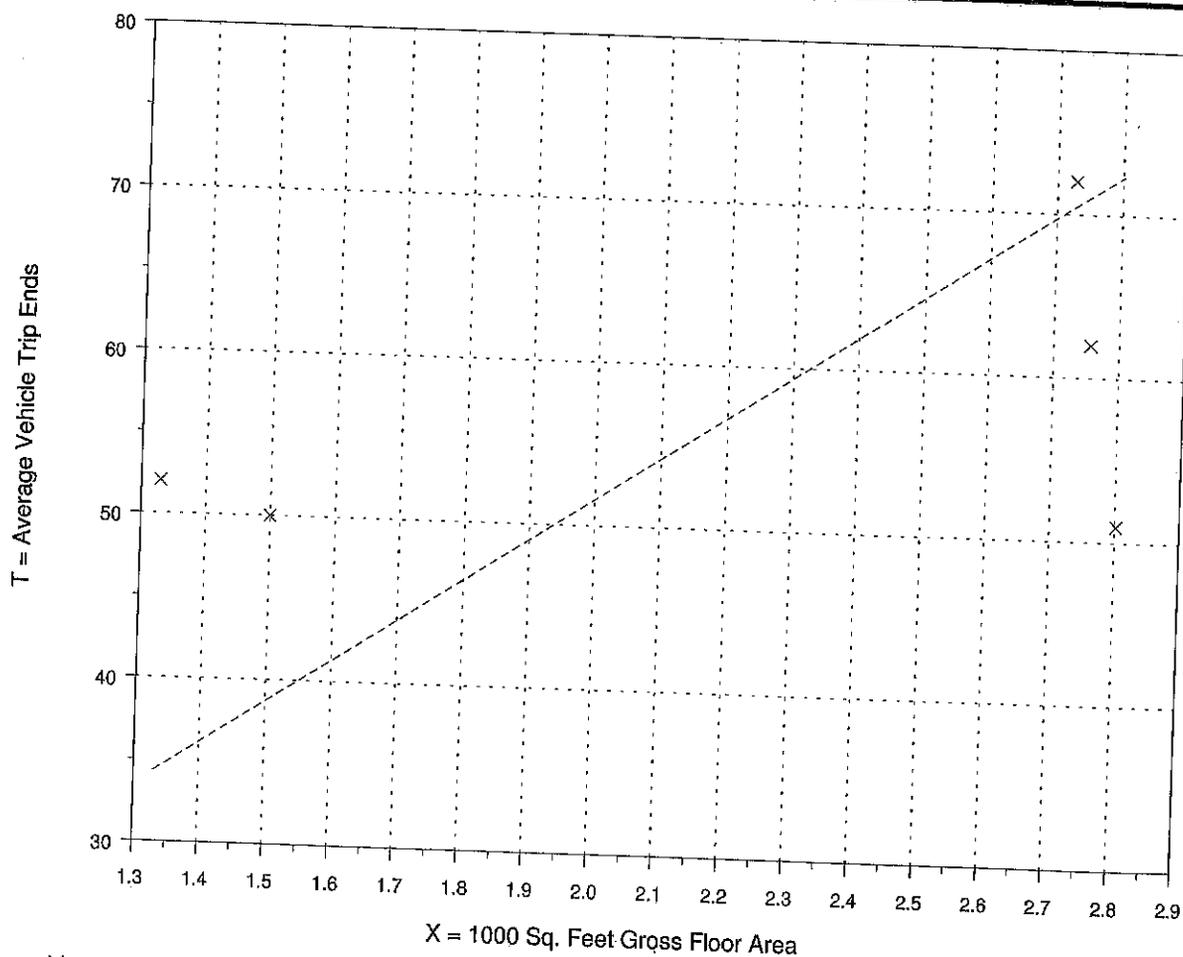
Number of Studies: 5
Average 1000 Sq. Feet GFA: 2
Directional Distribution: 49% entering, 51% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
25.81	18.19 - 39.10	8.08

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



× Actual Data Points

----- Average Rate

Fitted Curve Equation: Not given

$R^2 = ****$

Coffee/Donut Shop with Drive-Through Window (937)

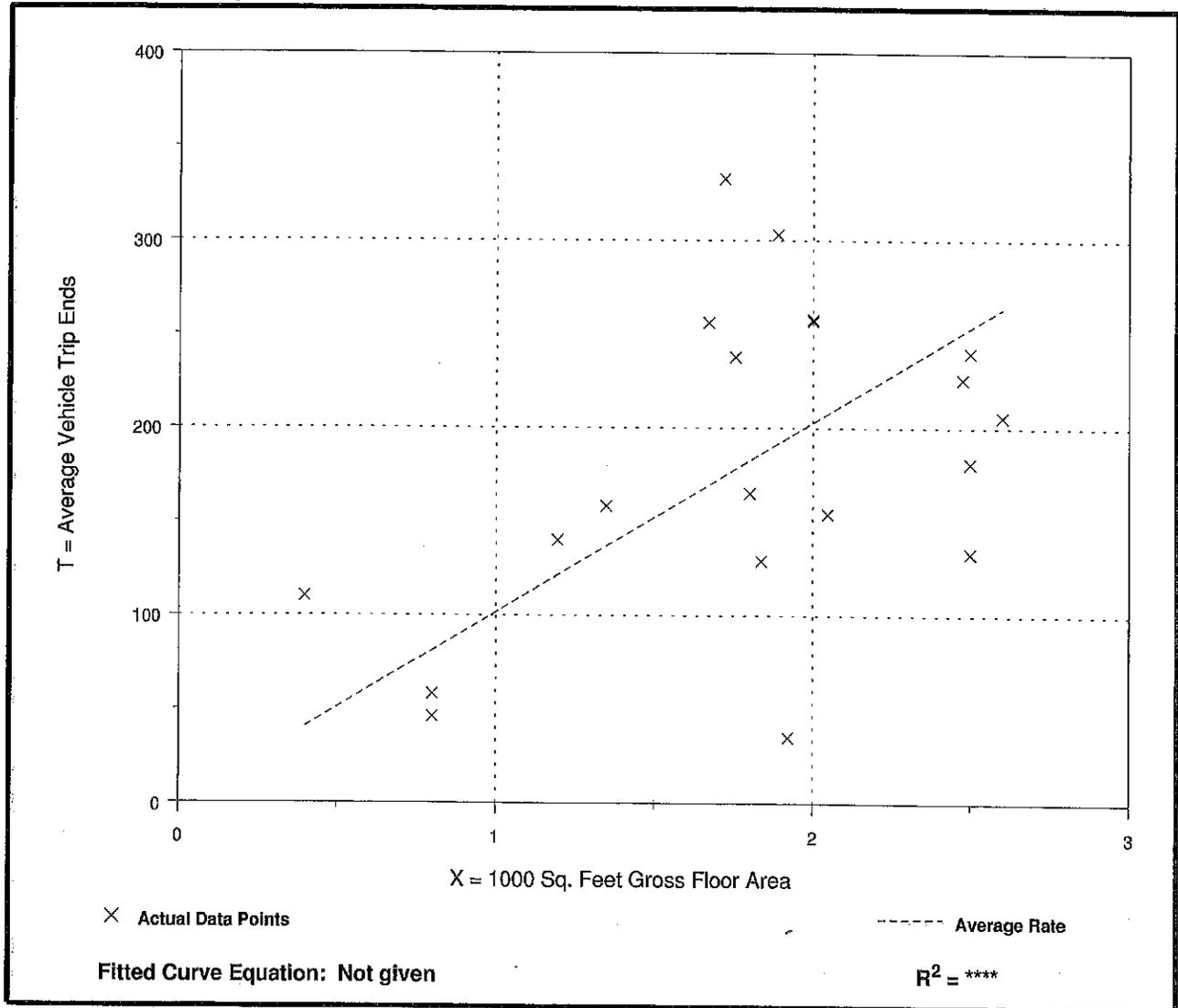
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
A.M. Peak Hour of Generator

Number of Studies: 20
Average 1000 Sq. Feet GFA: 2
Directional Distribution: 49% entering, 51% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
101.40	18.23 - 275.00	45.90

Data Plot and Equation



Coffee/Donut Shop with Drive-Through Window (937)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
P.M. Peak Hour of Generator

Number of Studies: 8
 Average 1000 Sq. Feet GFA: 2
 Directional Distribution: 51% entering, 49% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
36.16	2.08 - 60.50	19.50

Data Plot and Equation

