



Good Practice in Trip Analysis – Updated Guidance

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TRICS® Consortium

Good Practice in 2009

- Overview of Guidance
- What's changed in the 2009 Guide

An Overview of Good Practice

- TRICS[®] allows great flexibility and variation
- Guidance designed to assist users in understanding correct criteria and error margins
- Encourages co-operation between data providers and recipients



An Overview of Good Practice



- Aimed at both data providers and data auditors
- Stresses importance of providing clarity in both method and results
- Guidance widely used in Public Inquiries etc.

**And it's fully endorsed by the
TRICS® Consortium**



2009 TRICS® Good Practice Guide

- Now available at www.trics.org
- Changes made to guidance on trip rate/trip parameter correlations
- New section on Standardised Assessment Methodology (SAM)



Changes to Trip Rate/Trip Parameter Correlation Guidance

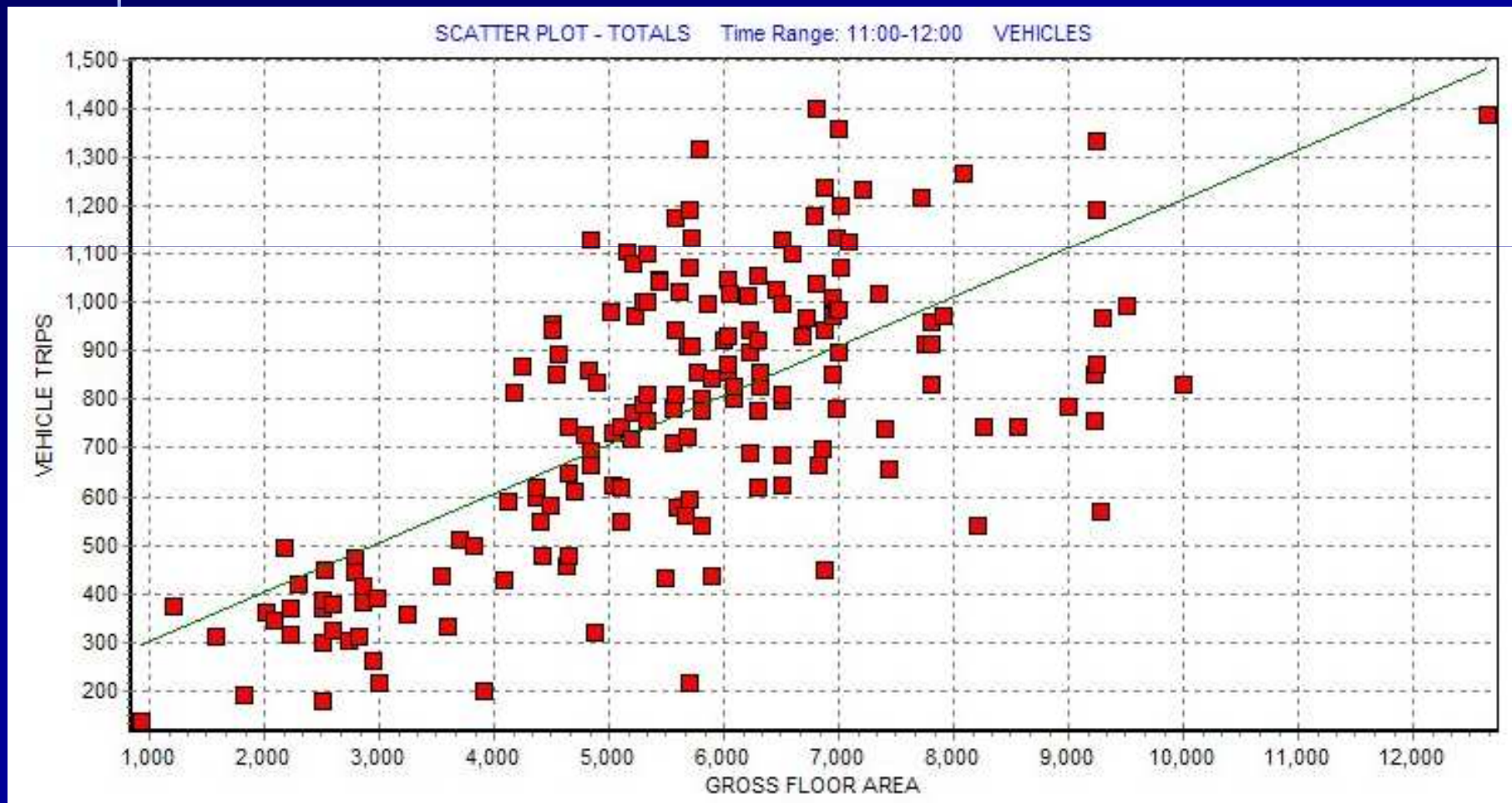
- TRICS® allows use of an “estimate” feature for extrapolation

VEHICLES												
											<input checked="" type="checkbox"/> Estimate TRIP rates	
Estimated TRIP rate value per 100 DWELLS				Estimated TRIP rates shown in shaded column (for 100 DWELLS)								
TRIP RATE VALUE PER 1 DWELLS	ARRIVALS			Total	DEPARTURES			Total	TOTALS			Total
	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip rate
	Total Rate: 4.155 Peak: 17:00-18:00			415.588	Total rate: 4.167 Peak: 08:00-09:00			416.534	Total rate: 8.322 Peak: 17:00-18:00			832.122
00:00-01:00	4	112	0.029	2.915	4	112	0.013	1.345	4	112	0.042	4.260
01:00-02:00	4	112	0.025	2.466	4	112	0.018	1.794	4	112	0.043	4.260
02:00-03:00	4	112	0.009	0.897	4	112	0.007	0.673	4	112	0.016	1.570
03:00-04:00	4	112	0.004	0.448	4	112	0.002	0.224	4	112	0.006	0.672
04:00-05:00	4	112	0.011	1.121	4	112	0.009	0.897	4	112	0.020	2.018
05:00-06:00	4	112	0.013	1.345	4	112	0.052	5.157	4	112	0.065	6.502
06:00-07:00	4	112	0.054	5.381	4	112	0.155	15.471	4	112	0.209	20.852
07:00-08:00	27	105	0.086	8.646	27	105	0.336	33.629	27	105	0.422	42.275
08:00-09:00	27	105	0.159	15.875	27	105	0.438	43.763	27	105	0.597	59.638
09:00-10:00	27	105	0.177	17.718	27	105	0.215	21.510	27	105	0.392	39.228
10:00-11:00	27	105	0.155	15.450	27	105	0.193	19.348	27	105	0.348	34.798
11:00-12:00	27	105	0.197	19.738	27	105	0.188	18.781	27	105	0.385	38.519
12:00-13:00	27	105	0.227	22.679	27	105	0.200	19.986	27	105	0.427	42.665
13:00-14:00	27	105	0.217	21.651	27	105	0.211	21.084	27	105	0.428	42.735
14:00-15:00	27	105	0.221	22.147	27	105	0.219	21.864	27	105	0.440	44.011

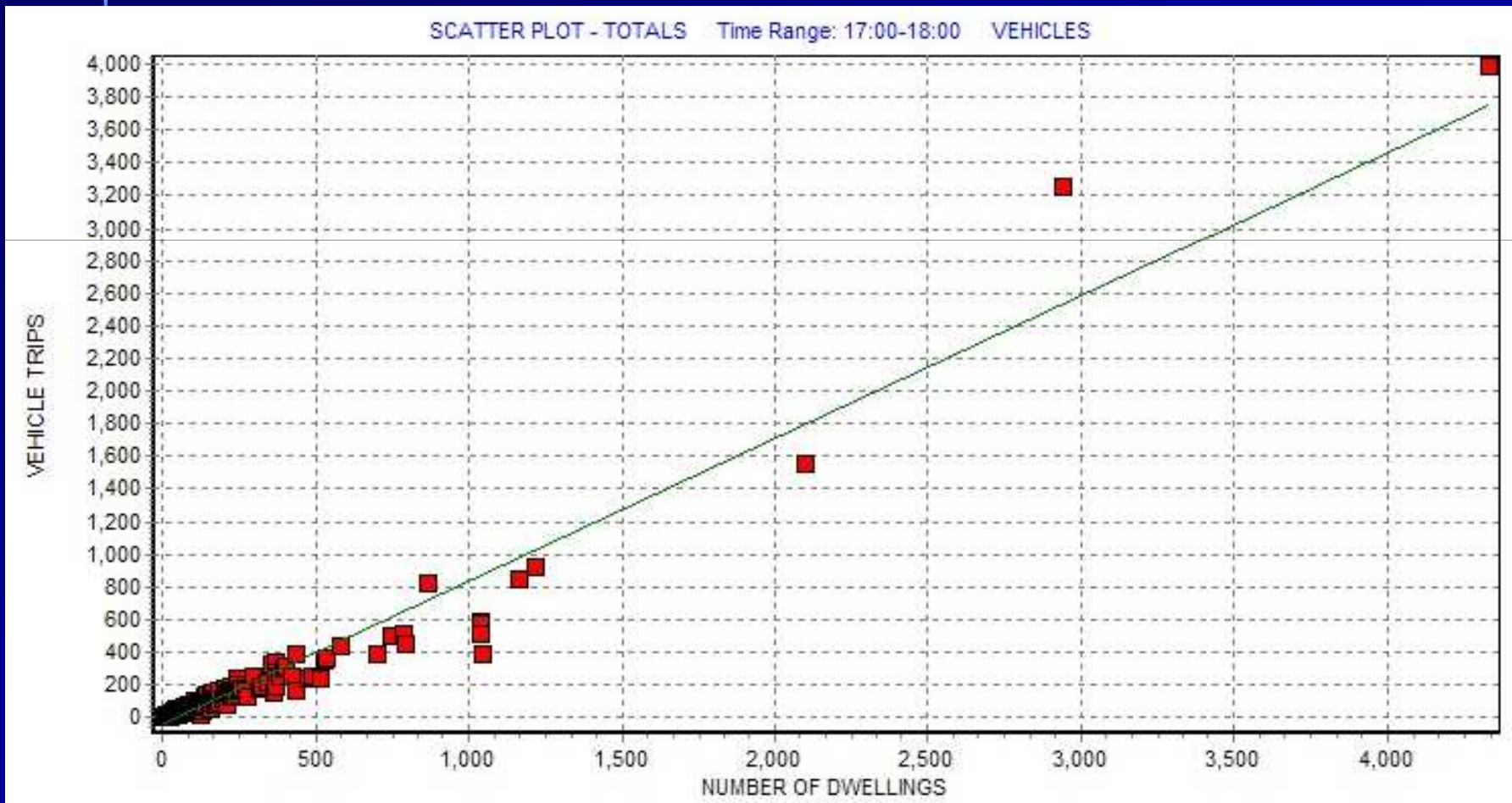
Changes to Trip Rate/Trip Parameter Correlation Guidance

- Varying degrees of projectability when calculating trip rates by land use/sample size/calculation parameter
- Use of rank order scatterplots encouraged to assess projectability
- **External factors can influence visual correlations!**

Example 1: Food Superstores, Saturday 1100-1200 (all surveys)



Example 2: Houses Privately Owned, Weekday 1700-1800 (all surveys)



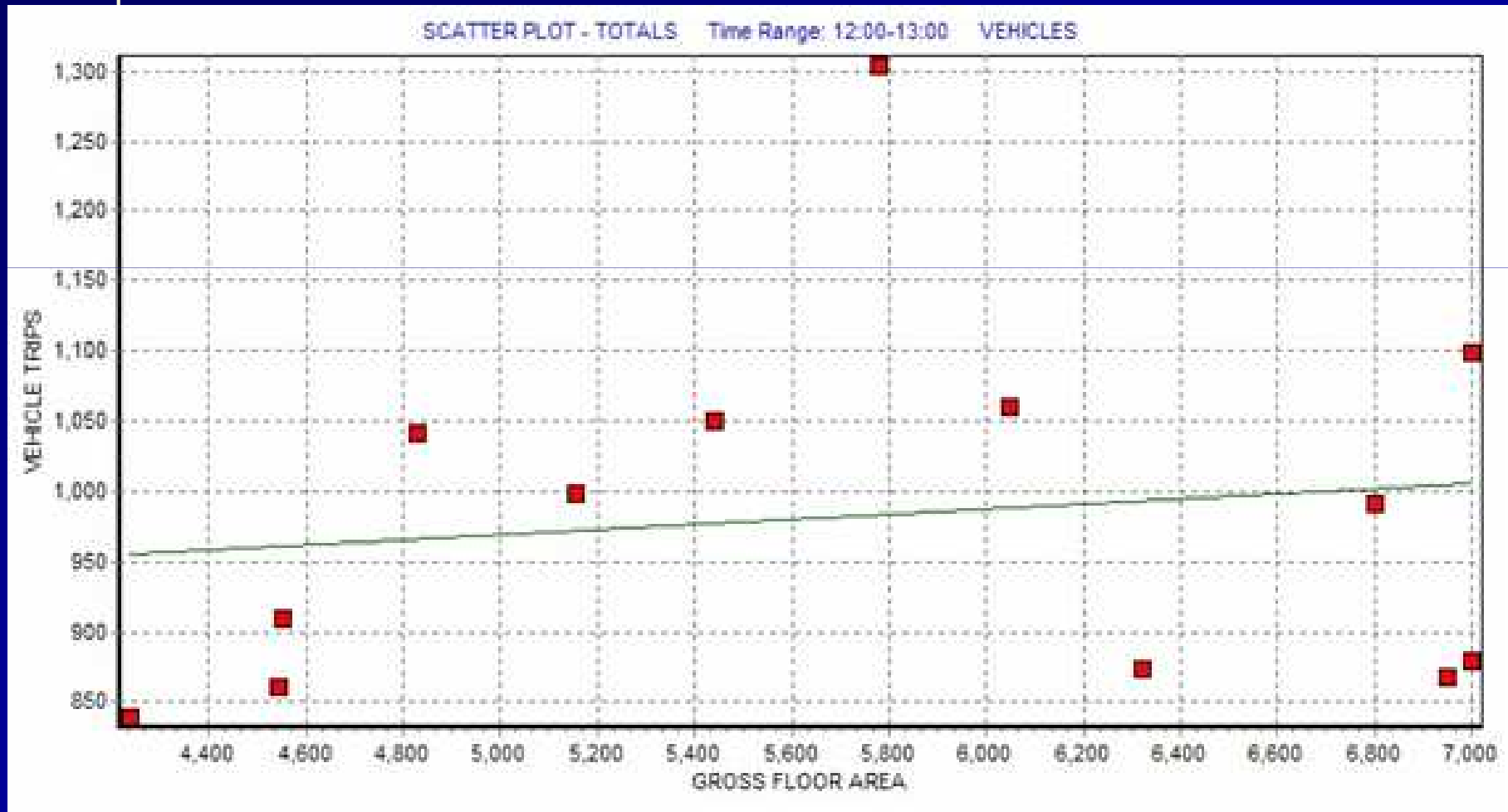
However, we cannot automatically conclude that there is a weak relationship between GFA and trips for food superstores



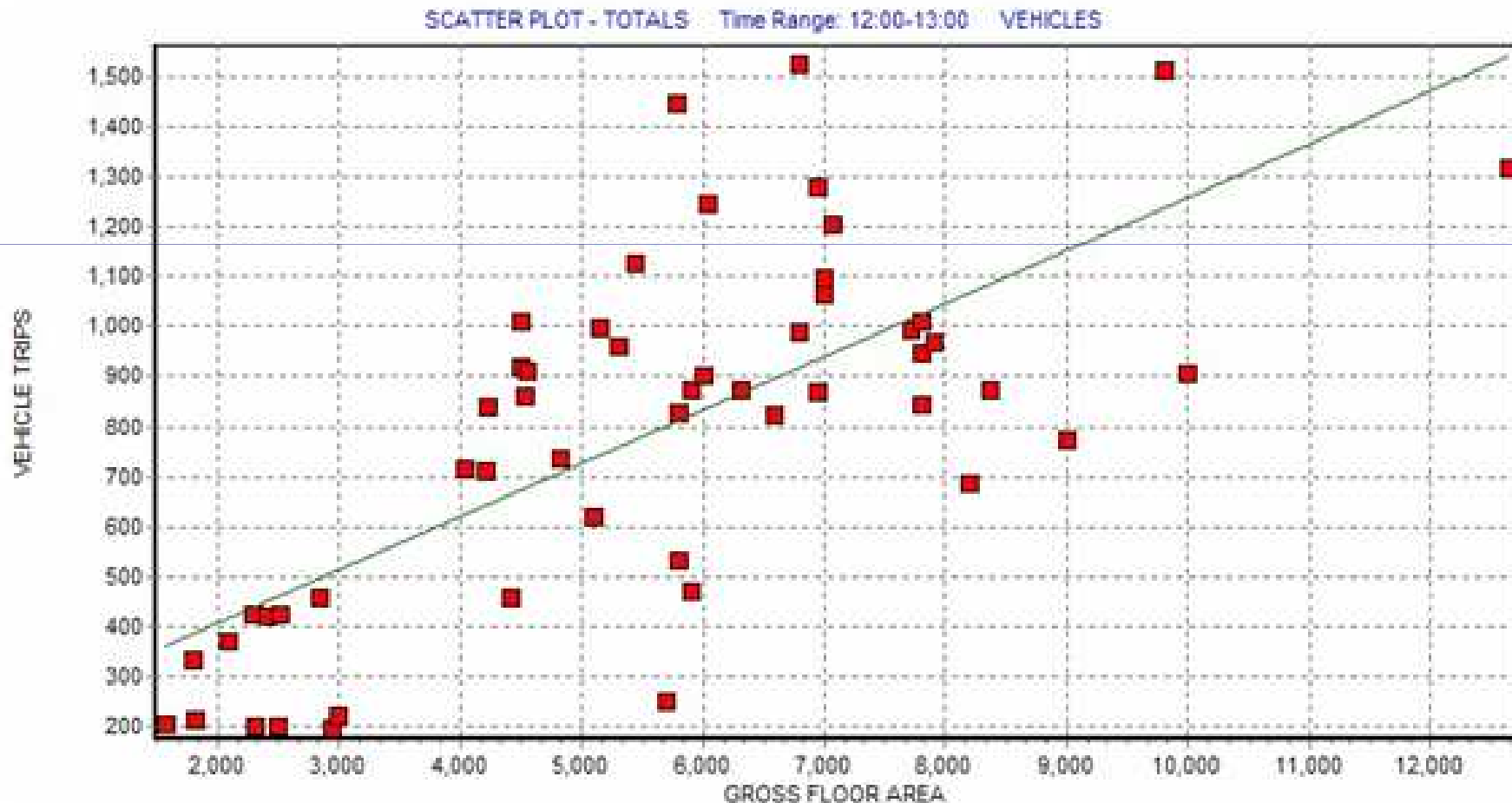
Econometrics Research

- Research undertaken as part TRICS®-sponsored PhD thesis
- Reveals that relationships between trip rate parameters and trip rates are often “masked” in scatterplots
- Economic/Demographic influences will vary by selections made
- Available soon at www.trics.org

Example 3: Food Superstores, Saturday 1200-1300 (small sample size)



Example 4: Food Superstores, Saturday 1200-1300 (larger sample size)



What Does This Mean for our Guidance?

- Relationships between trip rates and trip rate parameters may not always be visual
- External influential factors will vary by land use and trip rate parameter
- Users need to check for possible relationships by comparing with larger data sets

Standardised Assessment Methodology (SAM)

- National system for monitoring the effect of travel plans
- Growing number of local authorities implementing the SAM methodology
- New data section within TRICS® for SAM surveys.

Want to know how effective
your travel plans are?

sam

What is SAM?

[Why do travels plans need to be monitored?](#)

[The SAM Process](#)

[Costs](#)

[Case Studies](#)

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What is SAM? Standard Assessment Monitoring

SAM has been developed by TRICS® as a system of monitoring and assessing the effectiveness of travel plans. It uses long established TRICS® methods of multi-modal data collection enhanced with comprehensive information on travel plan details to produce robust travel plan survey results.

Good Practice in Undertaking SAM Surveys

- TRICS® Consortium recommends implementation of SAM monitoring in years 1, 3 and 5 of new developments
- TRICS® recommends its approved data contractors are commissioned

Good Practice in Using SAM Surveys in TRICS®

- SAM surveys are fully TRICS®-compatible – no reason why any should be excluded from calculations
- External factors may influence re-survey results (weather, for example)
- Include Travel Plan data in outputs for individual sites



Always ask the questions...

**And always be correctly prepared
to answer them!**