



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

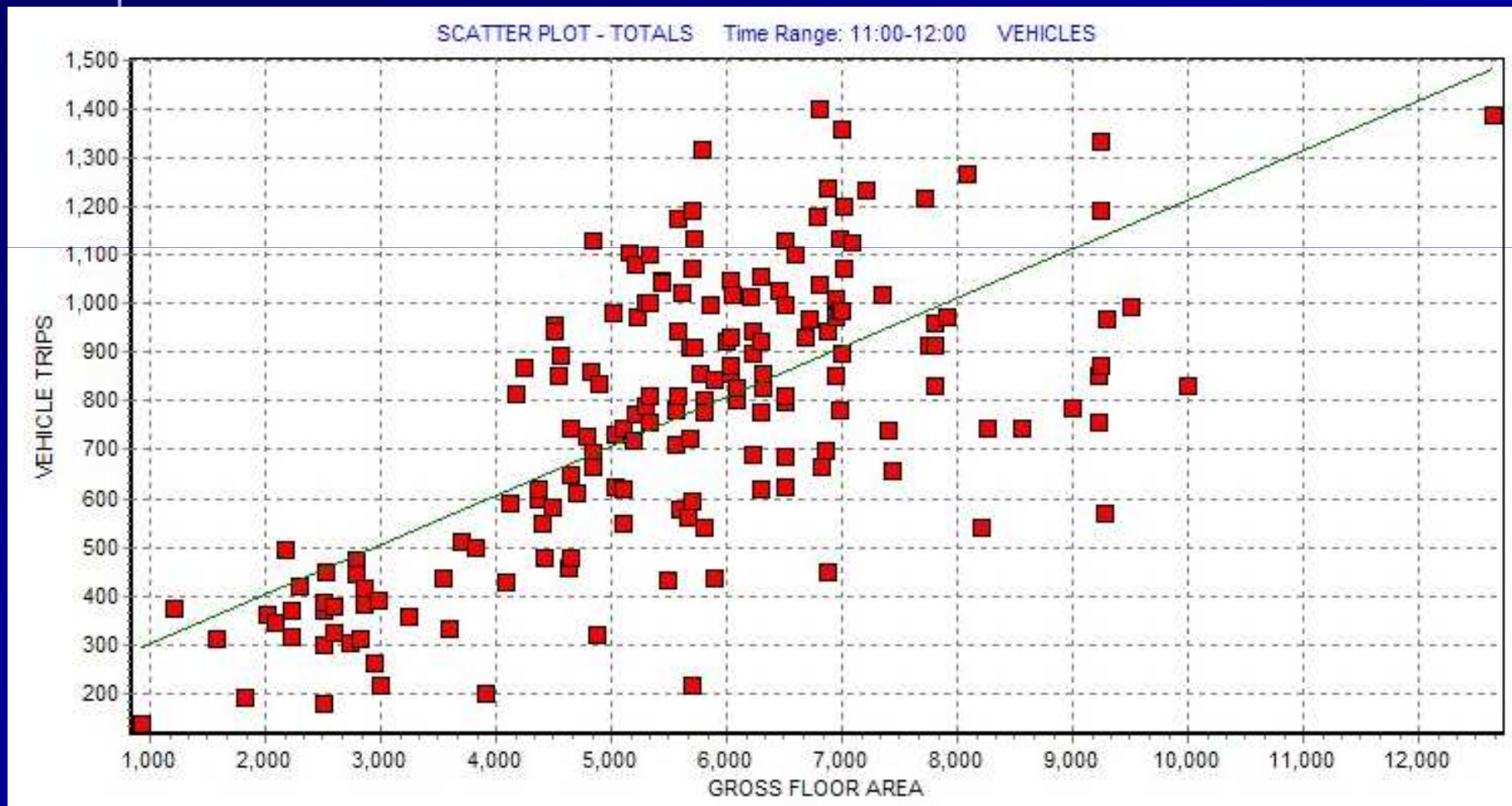
- TRICS® allows use of an “estimate” feature for extrapolation

VEHICLES <input checked="" type="checkbox"/> Estimate TRIP rates												
Estimated TRIP rate value per <input type="text" value="100"/> DWELLS				Estimated TRIP rates shown in shaded column (for 100 DWELLS)								
TRIP RATE VALUE PER 1 DWELLS	ARRIVALS Total Rate: 4.155 Peak: 17:00-18:00			Total 415.588	DEPARTURES Total rate: 4.167 Peak: 08:00-09:00			Total 416.534	TOTALS Total rate: 8.322 Peak: 17:00-18:00			Total 832.122
	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
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

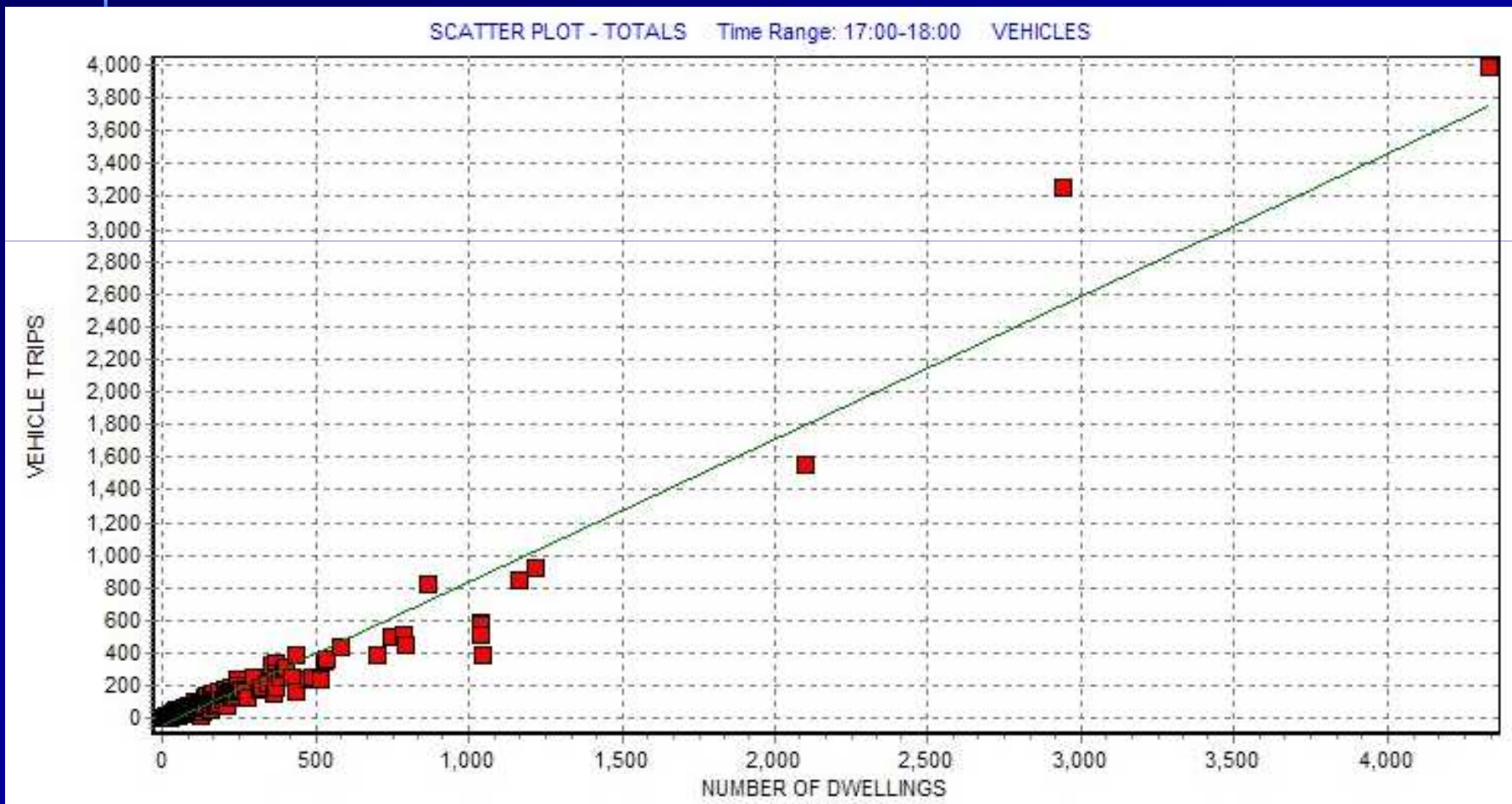
Changes to Trip Rate/Trip Parameter Correlation Guidance

- 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)



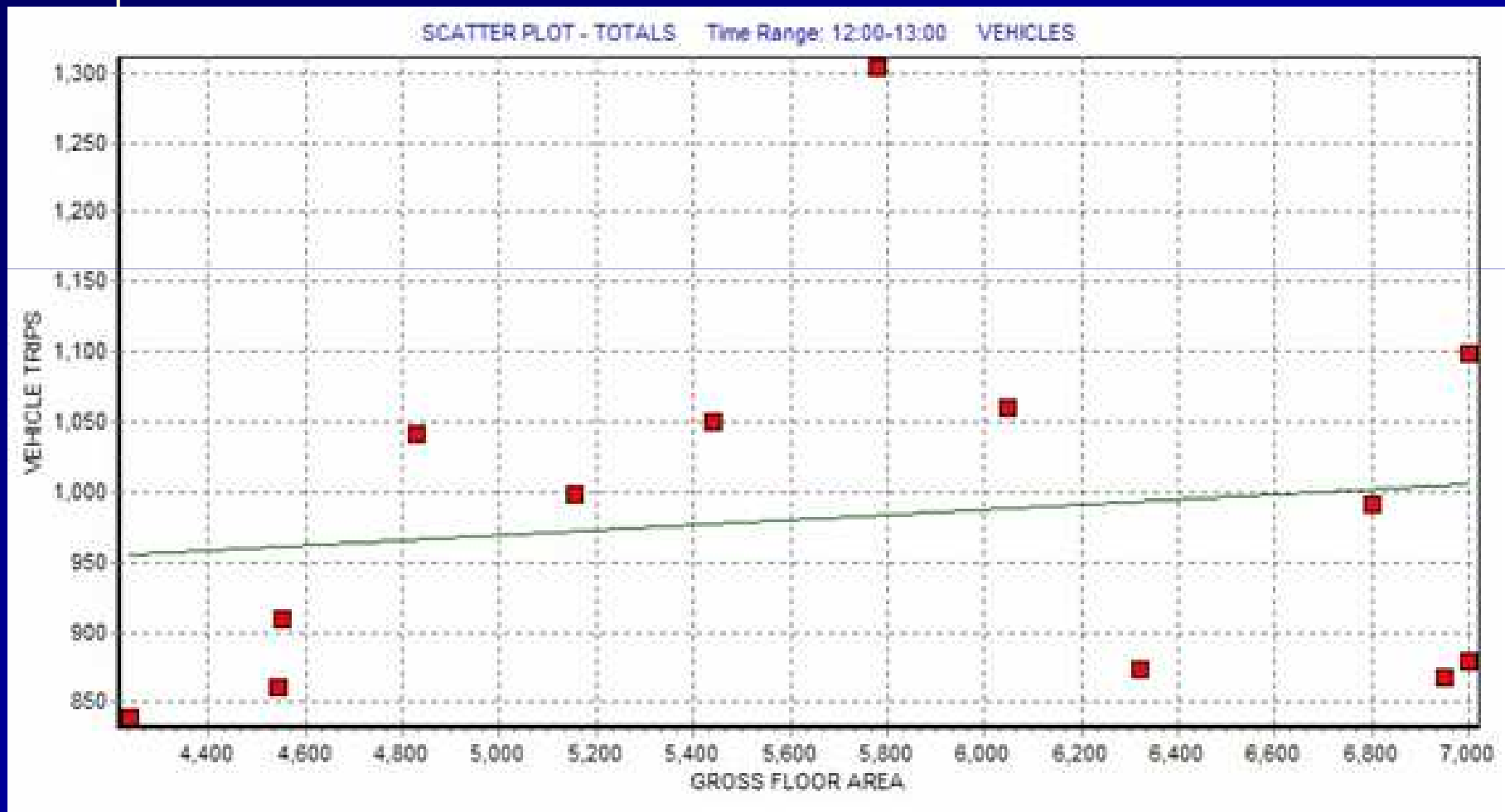
However, we cannot automatically conclude that there is a weak relationship between GFA and trips for food superstores



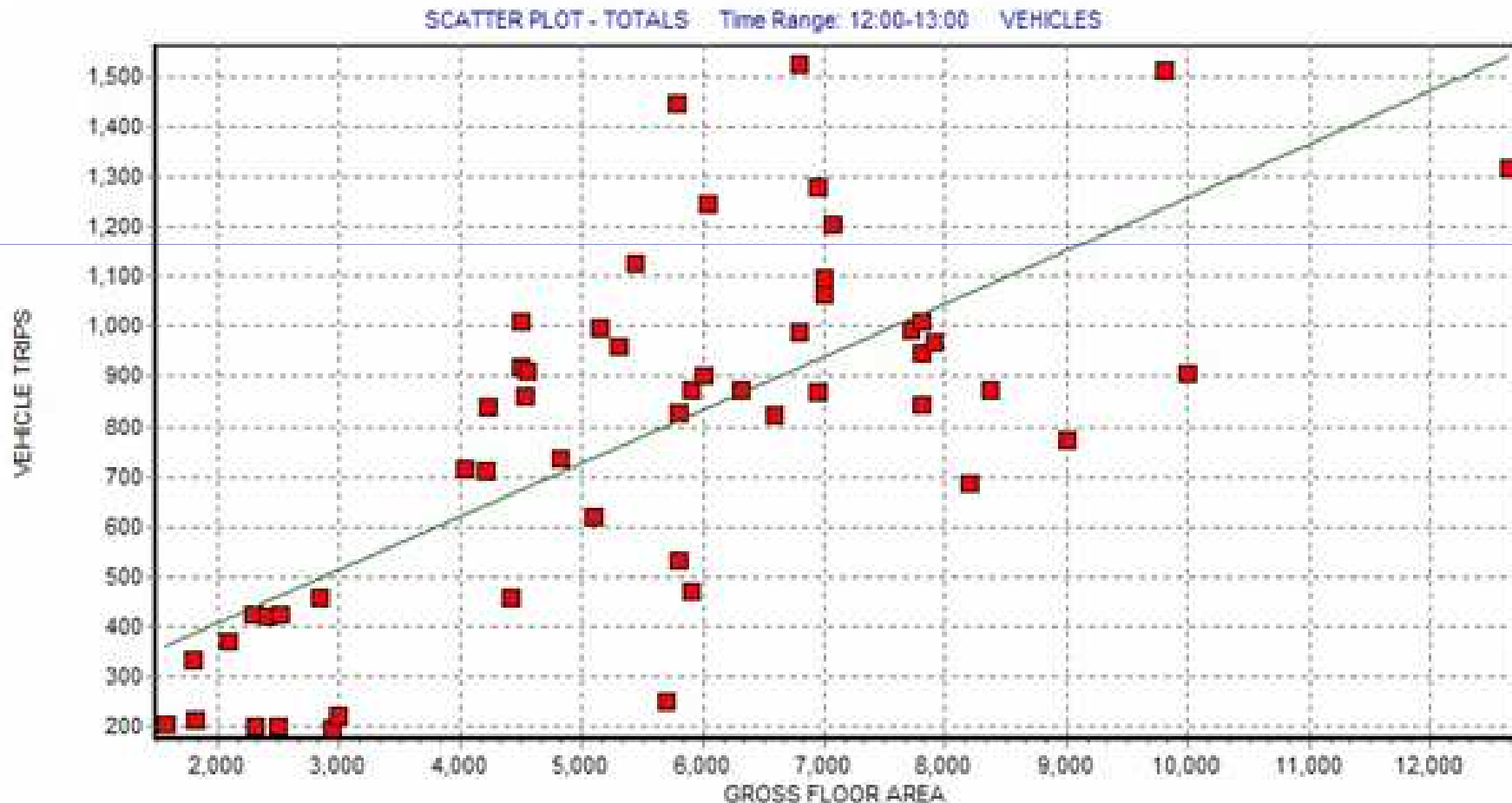
Econometrics Research

- 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!**