

Smarter Data is the Answer: What was the Question?

Alan Minton

Rock Blanco

SVP, Product Innovation Marketing & Sales



Topics for Discussion





- Introduction
- Big Data Gets Even Bigger
- It's All About Smarter Data
- Self-Service BI Analytic Options
- Summary / Q & A

Big Data: Facts To Remember





And The Question Is...



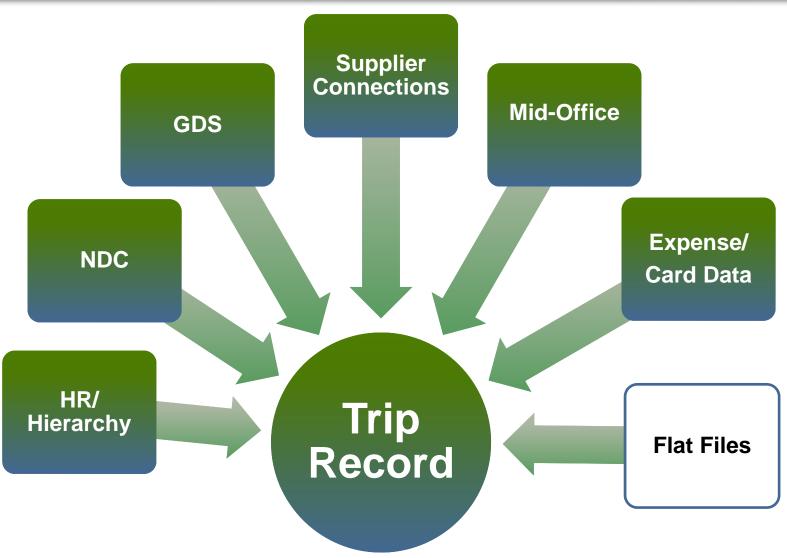
Enable Good Decision Making



How Do I Communicate The Value of A Managed Travel Program

Data Sources





Data Challenges



It starts with Data.

- Data is the foundation to managing a smarter travel program
- Data needs to be clean, complete, and consistent
- Effective program analysis requires multiple data sources (booked,TMC,card,expense,suppliers)
- Data Consolidation often produces inconsistencies in reporting & analysis
- Trip Unity Trip inside of a trip
- New Data Segments Ferry, Bus, Rail, Subway
- Hotel Normalization
- Ancillary Fees Associating fees and new fee structures

Does Clean Data Matter?









Data Quality Importance



Importance Of Travel Data Uses

Average Rating On A Scale of 1 (Not Important) To 4 (Very Important)

3.13 Provide reports/KPIs to management

3.11 Generate information for supplier negotiations

3.10 Monitor travel policy compliance

2.82 Consolidate travel suppliers

2.80 Perform internal benchmarking

Source: AirPlus International April-May 2012 survey of 97 corporate travel buyers in North America and Europe

Assessing Satisfaction With Travel Data

Accuracy & Reporting Present Problems

Top Reasons for Satisfaction	Top Reasons for Dissatisfaction
10% Data is accurate	23% Data is not always accurate
8% Amount is sufficient	20% Reports difficult to read/interpret
3% Helps enforce & establish policies	19% Reporting takes too long
3% Easily accessible	14% Not consolidated/hard to access
11/19/5	8% Not enough provided
	5% Not always trustworthy
	2% Not sufficient to enforce policies

Assessing & Evaluating Data Sources

Data Sources	Respondents Using Data From Source	Find Data From Source "Very Valuable"
TMCs	96%	86%
Suppliers	93%	73%
Card Companies	76%	72%
Expense Systems	55%	83%
Expense Reports	46%	80%

Source: GBTA Foundation May 2012 survey sponsored by Carlson Wagonlit Travel, including responses from 174 members of the Global Business Travel Association and 31 CWT customers

Not So Smart Decision Making



New York-LaGuardia, CT, NYC	New York-LaGuardia	
NEW YORK, NY, ROC	NEW YORK	ors
NEW YORK, NY, ABI	NEW YORK	5%
New York-E 60th St, ,	New York-E 60th St	5%
NEW YORK JFK NY, NY, JFK	NEW YORK JFK NY	2%
BUFFALO INTL NEW YORK, NY, BUF	BUFFALO INTL NEW YORK	4%
NEW YORK CITY NY, , NYC	NEW YORK CITY NY	6%
NEW YORK NEWARD, , NYC	NEW YORK NEWARD	8%
NEW YORK NEWARK, NJ, NYC	NEW YORK NEWARK	1%
SYRACUSE HANCOCK NEW YORK, NY, SYR	SYRACUSE HANCOCK NEW YORK	4%
POUGHKEEPSIE DUT NEW YORK, NY, POU	POUGHKEEPSIE DUT NEW YORK	1%
NEWARK APT/NEW YORK, NJ, NYC	NEWARK APT/NEW YORK	8%
ITHACA TOMPKIN C NEW YORK, NY, ITH	ITHACA TOMPKIN C NEW YORK	9%
LONG ISLAND MACA NEW YORK, NY, ISP	LONG ISLAND MACA NEW YORK	9% 3%
BINGHAMTON BROOM NEW YORK, NY, BGM	BINGHAMTON BROOM NEW YORK	5%
ALBANY COUNTY NEW YORK, NY, ALB	ALBANY COUNTY NEW YORK	2%
NEW YORK/JFK NEW YORK, NY, JFK	NEW YORK/JFK NEW YORK	4%
WESTCHESTER COUN NEW YORK, NY, HPN	WESTCHESTER COUN NEW YORK	1%
ROCHESTER MONROE NEW YORK, NY, ROC	ROCHESTER MONROE NEW YORK	5%
NEW YORK/EWR, NY, EWR	NEW YORK/EWR	1%
NEW YORK/LGA, NY, NYC	NEW YORK/LGA	0%
NEW YORK/EWR NEW YORK, NJ, EWR	NEW YORK/EWR NEW YORK	

Data Integrity & Decision Making



chai	incode pr	optyname		htlcity	htlstat	e	datein	date	out b	ookrate
R(NULL		NULL		2012-05- 16 00:00:00	2012 18 00:00		.0000
H(HY origin	destinat	citypair	airline	departdate	ON arrivedate	depti	2012 <u>.05</u> me arri		-05- 0 miles	actfare
IAH	DCA	DCA- IAH	СО	2007-12-05 00:00:00	NULL	16:25	NUL	L	1204	0.0000
DCA	IAH	DCA- IAH	СО	2007-12-07 00:00:00	NULL	15:50	NUL	L	1204	0.0000
XXX	ZZZ	XXX-ZZZ	СО	2007-10-29 00:00:00	NULL	00:00	NUL	L	0	0.0000
GSO	MKE	GSO- MKE	DL	2007-11-06 00:00:00	NULL	07:07	NUL	L	977	0.0000
MKE	GSO	GSO- MKE	DL	2007-11-07 00:00:00	NULL	07:30	NUL	L	647	0.0000
XXX	777	XXX-ZZZ	DL	2007-10-29 00:00:00	NULL	00:00	NUL	L	0	0.0000
SLC	PHX	PHX- SLC	US	2007-11-11 00:00:00	NULL	17:15	NUL	L	508	55.8200



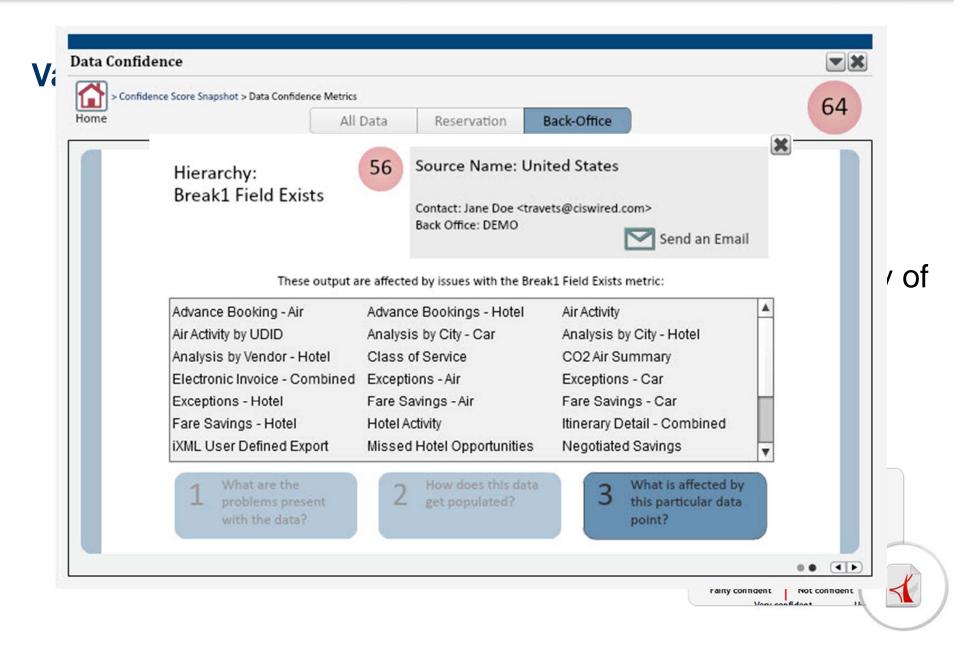
Smart Data = Clean Data

Data Confidence Scoring



Step 2: Data Confidence Scoring





Outdated Travel Program KPIs



Avoid Meaningless Statistics

Top 10 Metrics

Avg. Price Avg. Rate



Total Spend

Cost Savings

Traditional Travel Metrics

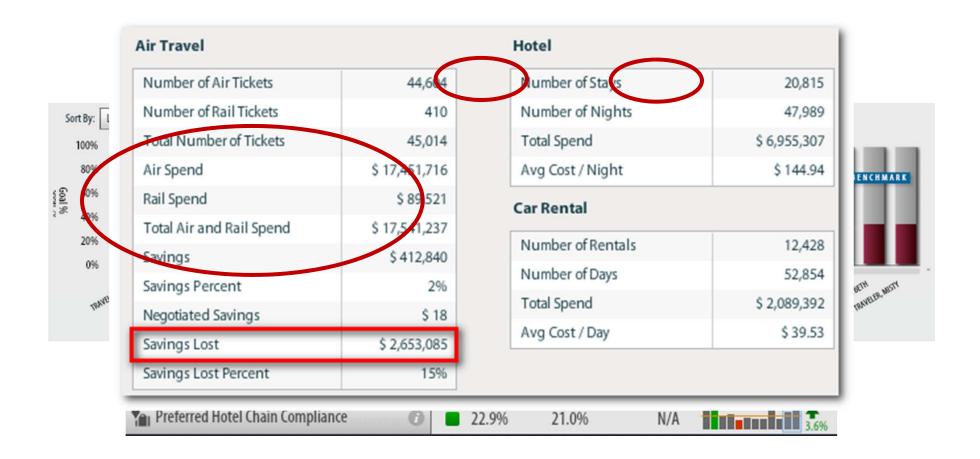


Online Adoption											
Travel Program Spend	Q1 eli	gible & ments	Q3	Q4	<u>YTD</u> _ 120						
Total Transactions	1,104	1,038	1,175	5	4,3120						
Air Spend _{30%} -	\$420,03	\$426,870	\$446, 7	3361 [▲] .3	\$1,654,91 8 0						
Hotel Spe zu ‰ - ▲	38,44	\$2(4)938	<u>^</u> 254, ² 2	5178 56	\$\bigcip,065						
Car Renta 10 Spend	59,7 1	\$ 1 7 67	\$12, 7	\$8 52	△ 2,25 8 0						
TD Ageney Fees online Mar	Ap\$5,35,4	\$4 ₄ 075	Jul \$5,44,65	Sep \$5,425	Nov \$12,925						
YTD Agency Fees: Full Service 7%	² \$40,234	' '	²⁸ %\$44, 36 %	47% \$37 <mark>45</mark> %27	41% \$ 45 %2,330						
Total 57 77 80	\$663,780	\$691,669	\$7 64,171	\$589,873	92 28 \$2,709,493						
verage Fee per Transaction	Air Ch	arges by N	Month		\$28						
\$250,000											
\$200,000		City Pairs									
_	- Turno	u by cogmonic	•		1000						
\$150,000 \$150,000					- 800						
\$300,000					- 600						
\$1,00,000					- 400						
\$\$0,0000					, I I I						
\$0											
\$0 Jan Feb Mar SF	O-OKD May	Sru-bus Jun	Jul SrO-	LAX Sep	ct Nov Dec						
					704 000						
	6 13 7, 3 85 \$146,5	33 \$149,662 \$	5136,341 \$1 28 ,9	\$66 \$181,498 \$148	\$61,289 \$61,289						

Smart Data = Smarter Analytics



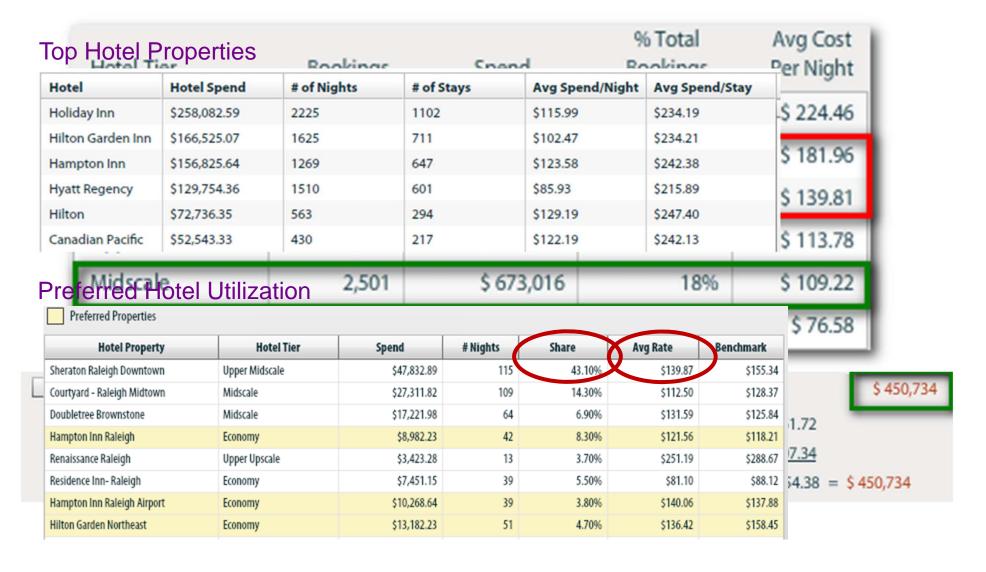
- Identify KPIs that can be measured vs. Goals
- Utilize Peer-to-Peer Benchmarks to establish boundaries



Smart Data = Smarter Analytics

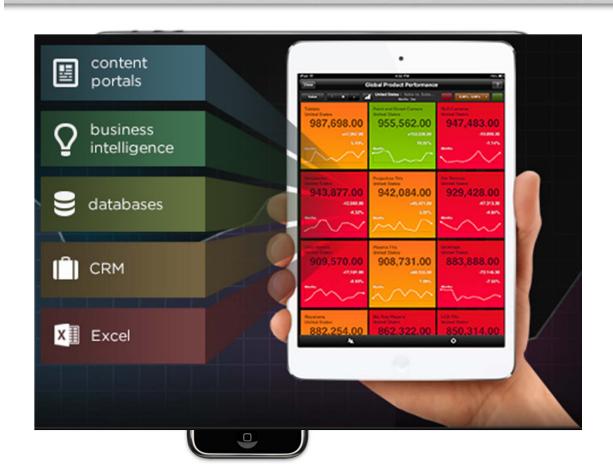


- Fact: Hotel Spend spiraling upwards by 40%
- Goal: Control Spend by Enforcing Hotel Tier Level



Do-it-yourself Business Intelligence











Take data directly from your travel reports

Step 1: Select A View



Choose from 10 different pre-defined views

- Each view is a unique combination of interactive navigation, visualization, and analytic features
- Designed to engage and guide you through your data.



Step 2: Select Your Data Source





Import data from existing travel reports, XLS, CSV, CRM, BI, DBs, and more...

XLS Travel Report Import Example

//

53	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
54	Air Fare	\$28,561,398	\$29,263,778	\$24,842,858	\$17,978,013	\$14,149,647	\$13,264,011	\$11,987,674	\$13,296,219	\$13,924,731	\$13,701,557	\$13,903,189	\$12,844,941
55	Air Net Segments	107365	98471	72439	54768	40122	36562	37538	42258	41538	43937	54419	44290
56	Air # of Tkts	51646	48149	35553	26671	19618	17851	18369	20658	20426	21086	23762	21552
57	Air Avg Seg Price	\$266	\$297	\$343	\$328	\$353	\$363	\$319	\$315	\$335	\$312	\$255	\$290
58	Air Avg Ticket Price	\$553	\$608	\$699	\$674	\$721	\$743	\$653	\$644	\$682	\$650	\$585	\$596
59													
60	Car Cost	\$859,504	\$871,891	\$820,196	\$614,974	\$422,689	\$427,982	\$469,985	\$470,195	\$450,827	\$456,348	\$407,750	\$302,406
61	Car Days	19042	19115	18360	13539	9328	9153	9870	10335	9862	10225	8989	6623
62	# of Bookings	6876	7088	6470	5088	3605	3410	3661	3951	3747	3856	3359	2269
63	Average Daily Rate	\$45	\$46	\$45	\$45	\$45	\$47	\$48	\$45	\$46	\$45	\$45	\$46
64	Average Booking	\$125	\$123	\$127	\$121	\$117	\$126	\$128	\$119	\$120	\$118	\$121	\$133

E	exec_summary_year_to_year.xlsx							- O S
- 4	A B C D E	F	G H	l J	K L	M N	0 P	Q R S
13			January	Year-to-Date	January	Year-to-Date	January	Year-to-Date
14	Air Summary							
15	# of Tickets:	•	2084/		24274	24274	16.44 %	16.44 %
16	Transactions - Invoices:		20526	20526	23802	23802	15.96 %	15.96 %
17	Credits:		321	321	472	472	47.04 %	47.04 %
18	Net # of Tickets:		20205	20205	23330	23330	15.47 %	15.47 %
19	Net # of Original Tickets:		18902		21931	21931	16.02 %	16.02 %
20	Net # of Exchanges:		1303	1303	1399	1399	7.37 %	7.37 %
21	Net # Same Day RoundTrips / OneWays (Est'd):		3814	3814	5848	5848	53.33 %	53.33 %
22	Net # Overnight Trips (Estimated):		16391	16391	17482	17482	6.66 %	6.66 %
23	Avg Days Purchased in Advance:		34	34	31	31	-9.86 %	-9.86 %
24	Total Air Charges:		\$11,026,659.08	\$11,026,659.08	\$13,962,514.17	\$13,962,514.17	26.63 %	26.63 %
25	Average Ticket Price:		\$545.74		\$598.48	\$598.48	9.66 %	9.66 %
26	Savings from Std Fare:		\$5,716,128.21	\$5,716,128.21	\$6,335,310.42	\$6,335,310.42	10.83 %	10.83 %
27	Negotiated Savings:		\$-16,253.45		\$-17,398.38	\$-17,398.38	7.04 %	7.04 %
28	Lost Savings:		\$407,389.59	\$407,389.59	\$684,594.76	\$684,594.76	68.04 %	68.04 %
29	% Lost:	•	3.69 %				32.79 %	32.79 %
30	Service Fees:	•	\$499,153.54	\$499,153.54	\$551,234.27	\$551,234.27	10.43 %	10.43 %
31	Total CO2 Emissions (Lbs.):	•	25,976,122	25,976,122	29,689,705	29,689,705	14.30 %	14.30 %
32	Average CO2 per Trip (Lbs.):	•	1,246	1,246	1,223	1,223	-1.84 %	-1.84 %
33	Total Miles Flown:	•	45,129,141	45,129,141	51,519,103	51,519,103	14.16 %	14.16 %
34	Average Miles per Trip:	•	2,234	2,234	2,208	2,208	-1.16 %	-1.16 %
35	Average Cost per Mile:	•	\$0.24	\$0.24	\$0.27	\$0.27	12.50 %	12.50 %

Step 3: Publish The Visualization



- Add users to your account if needed
- Securely share your *Views* down to browser, iPad/iPhone/or iPod touch
- Sit back and be engaged and guided through your data
- No IT resources needed



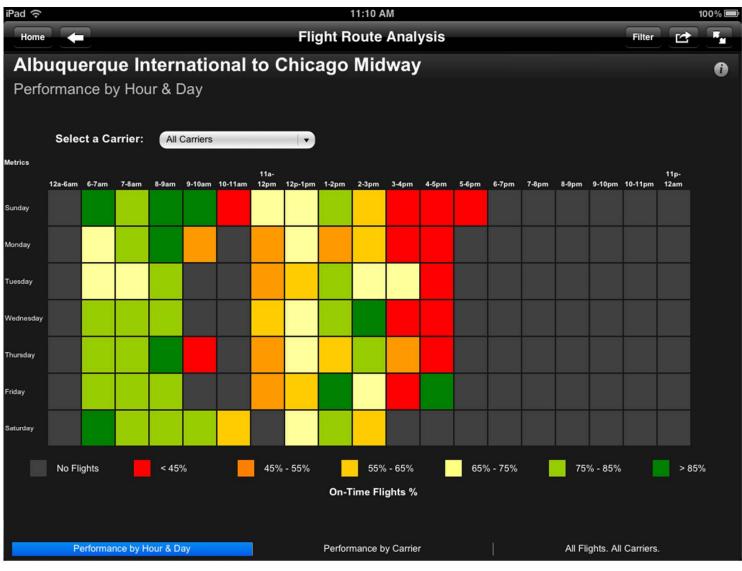
Making The Complex--- Simple



Close		Cornerstone Tra	vel Mgnt Summa	ary - Cardex		?
Compare Dept						
Departments	7 Day Adv Purchase	Self Booking	Pref Hotel Comp	Avg Ticket Price	Hotel Leakage	Q2 Goal Savings
Sales	74%	35%	52%	\$602	75%	\$1,313,230
Engineering	60%	20%	51%	\$663	81%	\$791,424
Executive	54%	18%	48%	\$879	46%	\$923,739
Manufacturing	79%	39% 🕕	70%	\$995	57%	\$878,537
IT .	67%	28%	48%	\$693	70%	\$319,435
Marketing/PR	63%	23%	63%	\$588	76%	\$202,143
Human Resources	68%	38%	28%	\$610	68%	\$115,353
Operations	48%	35%	29%	\$587	80%	\$85,821
Support/Implement	23% 🕕	43%	13%	\$540	92%	\$6,847
Total	67% 🕕	30% 🕕	53%	\$676	63%	\$4,636,530
Cardex : A	ne Travel Mgnt Su Airlines : Data Table	mmary -	Au Su		Aug 50 Sep 50	
14		æ		99-1)3 CD G-1 CF 918	o	2 10

From Browser to Mobile Device Access





Analytic Insights to Remember



- Only measure what you're going to do something about
- Measure not what you can control, but what you can influence
- Measuring performance is not a tool, it's a way of life



Questions





Alan Minton Sr. Vice-President, Sales & Marketing

