



HE SCIENCE OF RISK^{5M}







		Vērisk Kelemalka
Break-Ever	I Concept	
"Break-even"	\$100 + (3 x 12 x \$5) + (\$800 x 3 x 10%)	= 22%
improvement	\$800 x 3	
Hypothetical examj •Single-device UBI •\$100 hardware co •\$5 monthly wireles •3-year service life •\$800 annual prem •10% UBI discount	ole #1 program st rs (retum period) um before UBI	
SCIENCE OF RISK ³³⁴		



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nere's S	ome Ther	o Horo	
Data	2012 /01 /28	Outside Temp. (°F)	31°
	07:05:45.65	Cloud Cover	Partial
nine (010)	01.00.10.00	Precipitation	Drizzle
Abutite		Visibility (Miles)	10
Longitude		Wind Speed (MPH)	5
Speed (MPH)	44 ♠/ 41 ¥		
Driver Side Seatbelt	Engaged	Road Type	Local
	5 5	Elevation (> Sea Level)	20'
Perform, (RPM)	2250 🛧 / 2100 🕹	Posted Limit (MPH)	35
Engine Temp (°F)	221 °	Ambient Speed (MPH)	44
• • • •		# Bars w/in 5 Miles	76*
Trip Mileage	21.115		
Trip Time	00:32:29.08		
		Event #1 Start	07:05:43.2
Trip Fuel (Gallons)	1.105	Event #1 Duration	00:00:00.5
Accel. Events	1	Event #1 lype	Braking
		Event #1 Max g-force	0.632































Dimension Reduction						
	Principal Compone	ent Eigenvalue	Proportion			
	Braking1	14.4672	49.47%			
	Braking2	7.1031	24.29%			
	Braking3	3.2054	10.96%			
	Broking4	1.4161	4.84%			
Variable	Braking1	Braking2	Braking3	Braking4		
Brake_05h_rLocal	0.061	0.003	0.371	-0.081		
Brake_10h_wRain	0.072	-0.027	0.014	0.256		
Brake_20h_sHiSpd	0.231	0.083	-0.052	0.043		
Brake_08h_sLoSpd	-0.187	0.145	0.008	-0.025		
Brake_15h http://www.	-0.0?~	0.015	r 121	1.038		
Note: Results displayed are hypothetical.						







	-	DDV		Vērisk Islemaika
Anato	omy of a	DDV	_	
		Event		
				_
Type 1	Type 2	Ту	pe 3	Туре 4
Sub Type 1.a	Sub Type 1.b	Sub Type 1.c	Sub Type 1.d	
Location 1.b.a	Location 1.b.b	Location 1.b.c		
Geography 1	Geography 2	Geography 3	Geography 4	
Timing a	Timing b	Timing c	Timing d	Timing e
	Severity Level 1	Severity Level 2	Severity Level 3	Severity Level 4
				Etc.
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