
Fundamentals of Traffic Safety

LaSells Stewart Conference Center
Oregon State University

March 14, 2017

Transportation Safety Division
Oregon Department of Transportation
Salem, OR 97301

The Kiewit Center
Oregon State University
Corvallis, OR 97331

Tentative Agenda

Tuesday		
8:30 AM	Welcome	R. Layton
8:45 AM	Data Needs, Collection and Sources Safety Vocabulary Basic Safety Terminology	K. Hunter-Zaworski
9:45 AM	<i>BREAK</i>	
10:00 AM	Crash Analysis Methods Crash Frequency Crash Rate Safety Cost Regression to the Mean	R. Layton
11:00 AM	Safety Countermeasures Crash Reduction – CRF Crash Modification - CMF	K. Hunter-Zaworski
12:00 PM	<i>LUNCH</i>	
12:45 PM	Fundamentals of Statistics Central Tendency Measures Variance, Standard Deviation Normal Distribution Sample Size Standard Error of Mean Significant Testing	R. Layton
2:00 PM	<i>BREAK</i>	
2:15 PM	Bi-Nomial and other Distributions Bayesian Statistics Empirical Bayes	K. Hunter-Zaworski
3:45 PM	Evaluation Methods Cost Effectiveness NPV / BCR Incremental BCR Mutually Exclusive vs Independent Alter.	R. Layton
5:00 PM	<i>ADJOURN</i>	