



The MMRMA Deadly Force Project

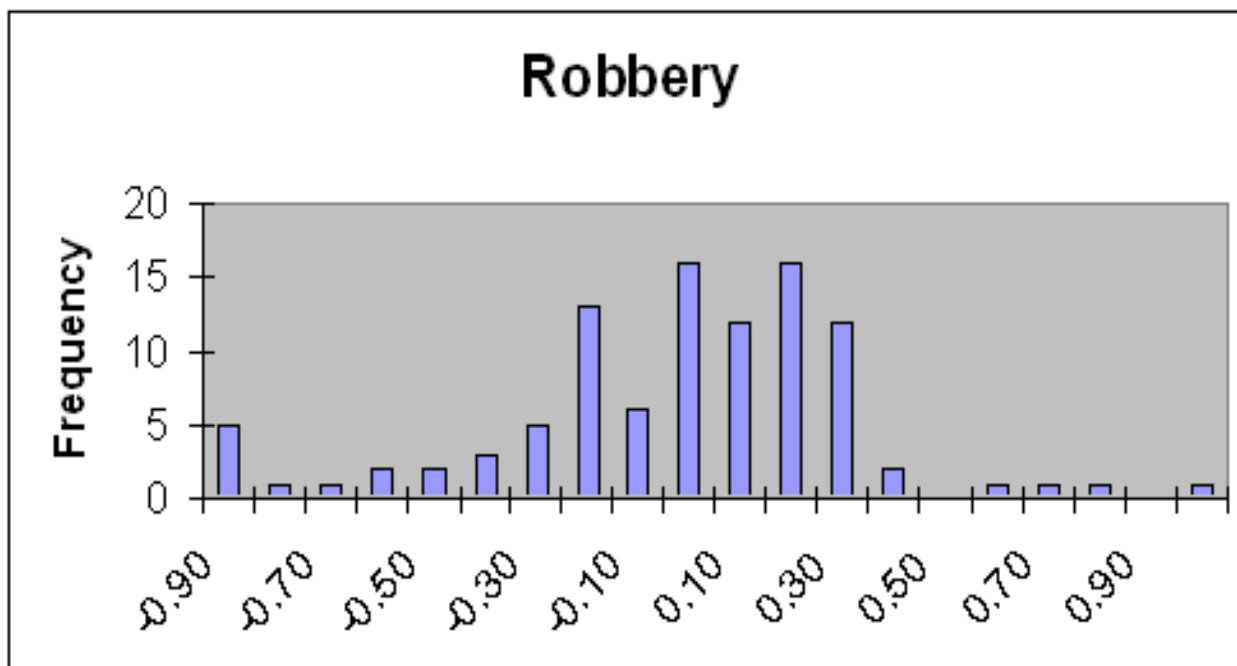
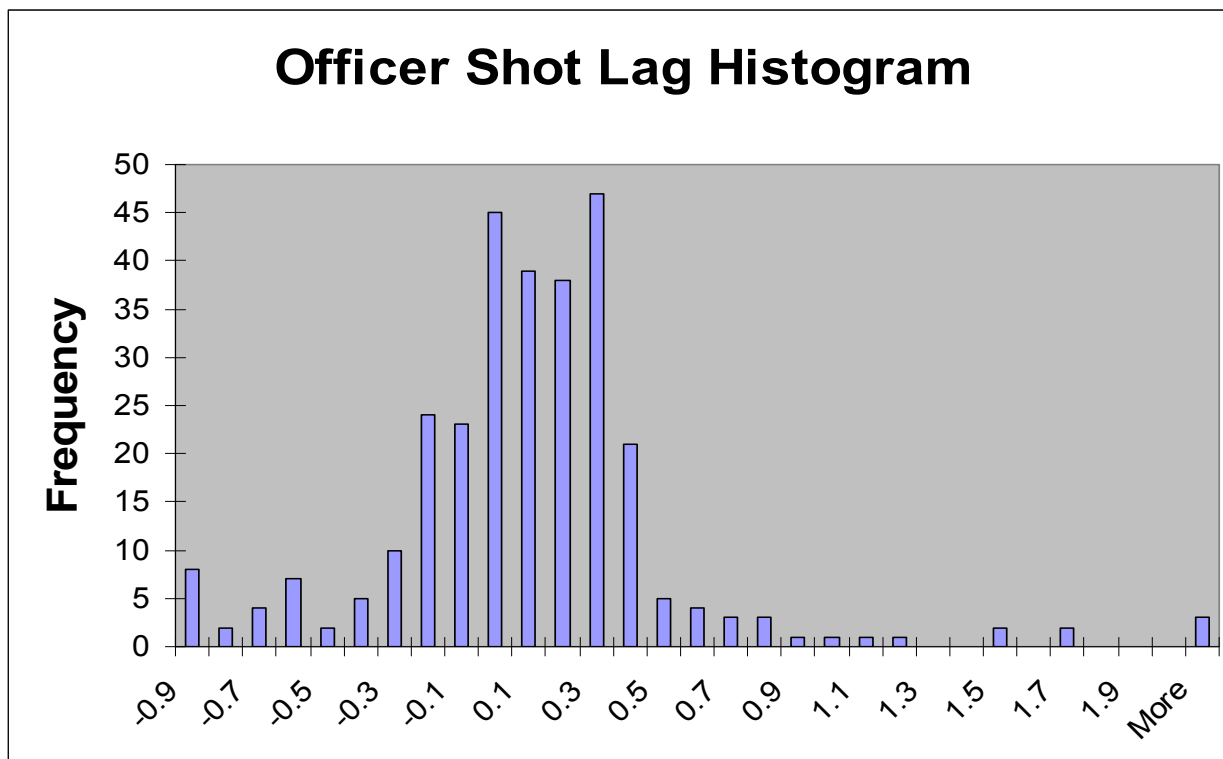
A Critical Analysis of Police Shootings Under Ambiguous Circumstances[©]

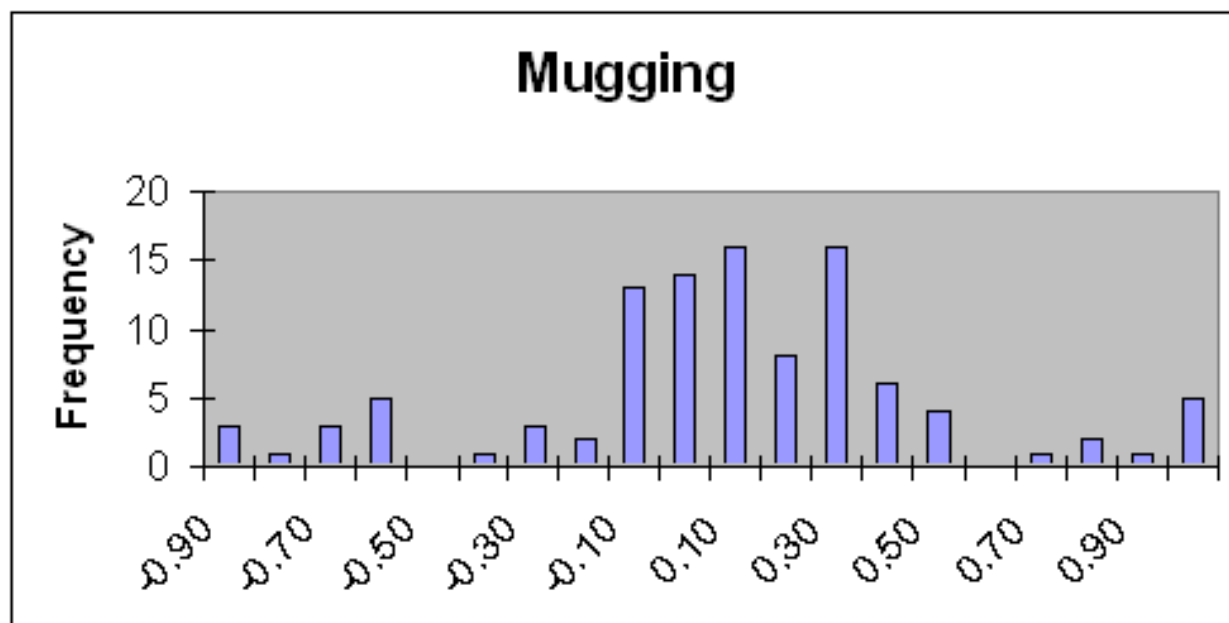
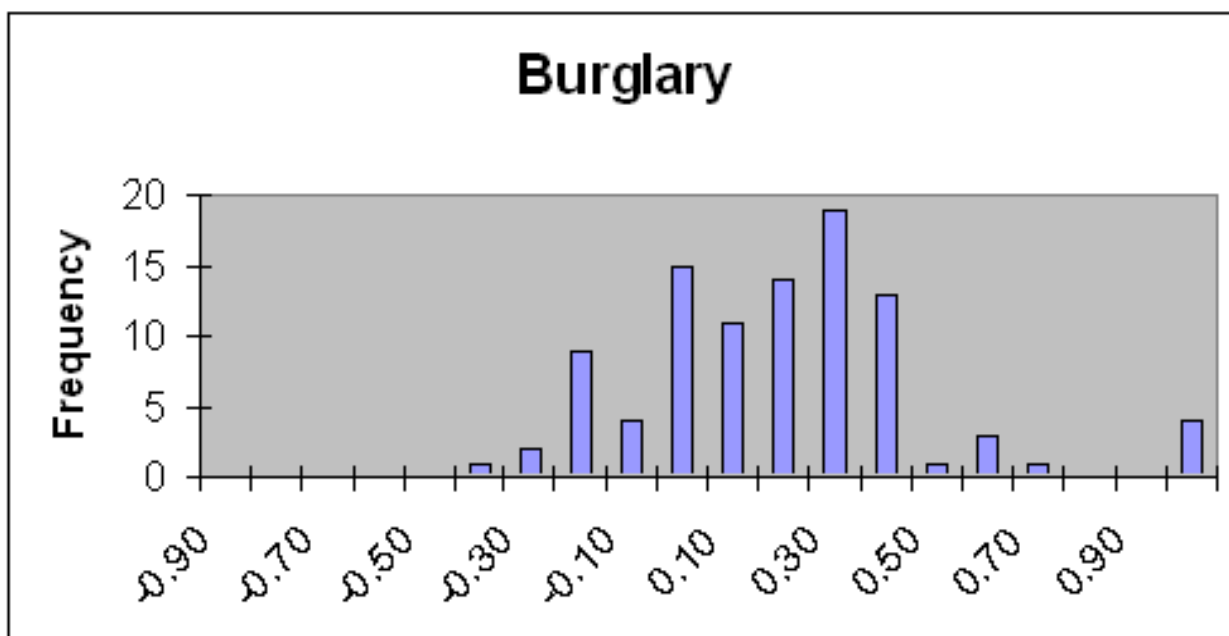
**Thomas J. Aveni, MSFP
The Police Policy Studies Council**

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Structured to pursue quantification of the *Graham v. Connor*, “reasonable officer” standard, this study examined micro-behavioral components of the deadly force decision-making process. In doing so it also encompassed consideration of specific officer and suspect traits in an effort to determine their degree of correlation in the decision-making process. The study concludes that the age, assignment, experience and gender of the officer had little significance in the apparent propensity to use deadly force under the circumstances observed. The age, ethnicity, gender and attire of suspects shot by officers did suggest significant correlation, but in ways that might radically alter the manner in which the police use of deadly force is examined in the future.

Reaction Time Histograms





Measure	<i>Burglary</i>	<i>Robbery</i>	<i>Mugging</i>
Mean	0.166323	0.001	0.035897
Median	0.166667	0	0.066667

First Shot Fired Scenario Summary

Columns in **RED** reflect the Acting Quotient and the time in which the actor fired his first shot in that specific scenario. Scenario numbers are found in the leftward column with the "IES #" header.

IES #	Acting Quotient		Suspect Begins Turn	Suspect's 1 ST Shot Fired	IES #	Acting Quotient		Suspect Begins Turn	Suspect's 1 ST Shot Fired
	Features	V				Features	V		
1	T-LH-U-CH	2	18:27		41	E-LH-U-CH	3	27:17	28:05
2	E-LH-PC-CH	3.5	17:16		42	E-LH-U-OH	2	24:02	
3	E-LH-U-CH	3	19:22	20:15	43	E-HH-U-CH	2	24:07	
4	E-LH-U-HC	2.5	18:15		44	E-LH-FC-CH	4	28:05	28:25
5	E-LH-PC-CH	3.5	21:03	22:00	45	E-HH-U-OH	1	24:22	
6	E-LH-PC-OH	2.5	21:04		46	T-HH-U-CH	1	25:15	
7	E-LH-PC-CH	3.5	19:25		47	E-LH-PC-CH	3.5	28:10	29:10
8	E-LH-PC-CH	3.5	18:21	19:14	48	T-HH-U-OH	0	22:18	
9	E-LH-U-OH	2	19:27		49	T-HH-U-CH	1	22:23	
10	E-LH-PC-CH	3.5	20:25		50	E-LH-FC-CH	4	23:00	23:26
11	E-LH-PC-CH	3.5	20:27	22:03	51	T-HH-U-OH	0	26:08	
12	E-LH-U-OH	2	19:22		52	E-LH-U-CH	3	21:28	
13	E-LH-PC-CH	3.5	18:26		53	E-LH-PC-CH	3.5	24:24	25:14
14	E-HH-PC-CH	2.5	20:04	22:07	54	E-LH-PC-OH	2.5	24:19	
15	E-LH-U-OH	2	20:11		55	E-LH-PC-CH	3.5	21:25	
16	E-HH-U-CH	2	20:25		56	E-LH-PC-CH	3.5	22:26	23:27
17	E-LH-U-CH	2	20:18	21:21	57	T-LH-PC-OH	1.5	23:27	
18	T-LH-U-OH	1	21:02		58	E-LH-U-HC	2.5	23:08	
19	T-LH-U-CH	2	23:35		59	T-LH-U-CH	2	22:22	24:12
20	E-LH-FC-CH	4	22:05	23:07	60	E-LH-U-OH	2	24:00	
21	T-HH-U-OH	0	21:16		61	E-LH-U-CH	3	22:03	
22	T-LH-U-CH	2	21:20		62	E-LH-PC-CH	3.5	22:07	23:01
23	E-HH-FC-CH	3	21:12	23:01	63	E-LH-U-OH	2	23:25	
24	E-LH-PC-OH	2.5	20:00		64	E-LH-PC-CH	3.5	22:22	
25	E-LH-PC-CH	3.5	20:08		65	E-LH-PC-CH	3.5	22:14	23:06
26	E-LH-FC-CH	4	21:11	22:02	66	E-LH-U-CH	3	20:18	
27	E-LH-PC-CH	3.5	20:25		67	E-HH-U-CH	2	20:26	
28	E-LH-FC-CH	4	20:19		68	E-LH-PC-CH	3.5	22:25	23:29
29	E-LH-FC-CH	4	20:20	21:12	69	E-LH-U-OH	2	20:10	
30	E-HH-U-OH	1	22:18		70	E-LH-PC-CH	3.5	22:24	
31	E-LH-U-CH	3	24:07		71	E-LH-PC-CH	3.5	20:15	21:04
32	E-LH-PC-CH	3.5	24:04	24:17	72	E-LH-U-OH	2	26:18	
33	E-LH-U-OH	2	24:12		73	E-HH-U-CH	3	26:04	
34	E-HH-PC-HC	2	23:22		74	E-LH-FC-CH	4	27:02	28:07
35	E-LH-PC-CH	3.5	25:12	26:10	75	T-HH-U-OH	0	23:03	
36	E-LH-U-CH	3	25:07		76	E-HH-PC-CH	2.5	25:01	
37	E-LH-U-OH	2	25:17		77	E-LH-PC-CH	3.5	25:15	26:10
38	E-LH-U-CH	3	26:01	26:18	78	E-LH-U-OH	2	24:28	
39	E-LH-U-OH	2	27:10		79	E-HH-U-CH	2	23:28	
40	E-LH-U-OH	2	25:15		80	T-HH-PC-CH	1.5	23:22	25:17

Suspect's turn toward Officer/Camera: **T** = Tepid **E** = Energetic

"Energetic" turns = at least 90% completed within 1 sec. or in which the suspect fired the 1st shot within 1 sec. of turn initiation.

"Tepid" = turns are those that take more than 1 second to complete at least 90% of the turn toward the camera or fire 1st shot at the camera.

LH = Turn w/ Low-Hands were turns initiated with "gun-hand" at or below the navel area

HH = Turn w/ High-Hands were turns initiated with "gun-hand" above height of navel area

U = Upright-turn

PC = Partial-Crouch: Shoulders slightly forward of the hips with minimal forward lean

FC = Crouch: Knees bent - shoulders noticeably forward of hips with feet planted at least shoulder-width apart

CH = Clenched Hands; suspect turns with clenched hand or hands. This CAN include scenarios where suspect turned with object in hand.

HC = Half-Closed Hand

OH = Open Hands; suspect turned with his/her hands open/unclenched

Participant DeBrief Form Questions

DEBRIEF QUESTION	PARTICIPANT DEBRIEF FORM QUESTIONS	CONSIDER SHOOTING		
		BURG	MUGG	ROBB
1	I used cover and that influenced my decision to	31.72%	22.40%	32.79%
2	I did not use cover and that influenced my decision to	8.44%	5.83%	5.84%
3	I used verbal commands and the suspect's non-compliance influenced my decision to	54.72%	48.70%	54.58%
4	When the subject's hand or hands were concealed from view it influenced my decision to	73.11%	72.28%	72.79%
5	I saw the suspect look over his/her shoulder at me and that influenced my decision to	63.19%	60.46%	70.39%
6	I saw the suspect's shoulder dip as his/her back was to me and that influenced my decision to	55.41%	53.97%	60.66%
7	I saw the suspect's shoulders start to rotate abruptly toward me and that influenced my decision to	64.38%	67.43%	63.16%
8	As the suspect turned toward me I saw his/her right hand at waist height and that influenced my decision to	57.98%	50.49%	52.61%
9	As the suspect turned toward me, I saw <u>something</u> in his/her right hand that influenced my decision to	34.74%	26.07%	19.16%
10	As the suspect turned toward me, I saw <u>nothing</u> in his/her right hand that influenced my decision to	2.29%	2.61%	1.96%
11	As the suspect turned toward me, I <u>couldn't tell</u> if anything was in his/her right hand, influencing my decision to	9.12%	6.54%	7.17%
12	The suspect's outward physical appearance influenced my decision to	14.24%	14.71%	15.58%
12A	AGE	7.44%	6.82%	7.82%
12B	ATTIRE	14.89%	9.80%	13.73%
12C	ETHNICITY	4.85%	3.26%	4.58%
12D	GENDER	10.36%	8.14%	10.78%
12E	SIZE	10.68%	8.50%	10.13%
13	I believe the suspect's outward appearance may have caused me to hesitate in my decision to	9.39%	10.49%	5.88%
14	I believe the suspect's outward appearance may have caused me to hasten my decision to	10.36%	14.10%	12.38%
15	The nature of the call, as I perceived it, influenced my decision to	68.75%	49.67%	68.42%
16	The suspect's proximity to what appeared to be a crime-in-progress may have influenced my decision to	71.01%	59.74%	69.84%
17	The time of day and/or existing lighting conditions may have influenced my decision to	52.29%	51.96%	40.52%
18	The time of day and/or existing lighting conditions may have caused me to hesitate in my decision to	17.48%	20.13%	16.01%
19	If I had believed that I had back-up officers nearby that may have influenced my decision to	11.73%	9.84%	9.18%
20	The suspect's proximity to the crime-in-progress may have influenced my decision to	66.34%	33.11%	63.19%
21	The suspect's initial possession of a pry-bar may have influenced my decision to	67.54%	38.03%	54.07%
22	The suspect's decision to drop the pry-bar may have influenced my decision to	15.26%		

DEBRIEF QUESTION	PARTICIPANT DEBRIEF FORM QUESTIONS	SHOOT		
		BURG	MUGG	ROBB
1	I used cover and that influenced my decision to	5.83%	10.71%	8.77%
2	I did not use cover and that influenced my decision to	3.57%	5.50%	4.87%
3	I used verbal commands and the suspect's non-compliance influenced my decision to	17.92%	19.48%	26.47%
4	When the subject's hand or hands were concealed from view it influenced my decision to	10.49%	7.92%	15.08%
5	I saw the suspect look over his/her shoulder at me and that influenced my decision to	9.45%	6.86%	13.49%
6	I saw the suspect's shoulder dip as his/her back was to me and that influenced my decision to	10.49%	8.94%	14.75%
7	I saw the suspect's shoulders start to rotate abruptly toward me and that influenced my decision to	17.65%	18.09%	25.66%
8	As the suspect turned toward me I saw his/her right hand at waist height and that influenced my decision to	19.22%	19.67%	25.49%
9	As the suspect turned toward me, I saw <u>something</u> in his/her right hand that influenced my decision to	30.84%	34.98%	37.01%
10	As the suspect turned toward me, I saw <u>nothing</u> in his/her right hand that influenced my decision to	0.00%	0.98%	0.65%
11	As the suspect turned toward me, I <u>couldn't tell</u> if anything was in his/her right hand, influencing my decision to	2.93%	2.94%	8.14%
12	The suspect's outward physical appearance influenced my decision to	1.62%	1.63%	3.57%
12A	AGE	0.32%	0.65%	1.95%
12B	ATTIRE	0.97%	1.31%	2.94%
12C	ETHNICITY	0.00%	0.65%	0.33%
12D	GENDER	0.97%	0.98%	1.96%
12E	SIZE	0.65%	0.65%	1.31%
13	I believe the suspect's outward appearance may have caused me to hesitate in my decision to	5.50%	4.26%	6.86%
14	I believe the suspect's outward appearance may have caused me to hasten my decision to	3.88%	2.62%	2.93%
15	The nature of the call, as I perceived it, influenced my decision to	8.88%	4.93%	25.99%
16	The suspect's proximity to what appeared to be a crime-in-progress may have influenced my decision to	14.66%	17.16%	24.59%
17	The time of day and/or existing lighting conditions may have influenced my decision to	9.80%	11.11%	13.73%
18	The time of day and/or existing lighting conditions may have caused me to hesitate in my decision to	5.18%	8.44%	3.59%
19	If I had believed that I had back-up officers nearby that may have influenced my decision to	3.58%	4.26%	2.30%
20	The suspect's proximity to the crime-in-progress may have influenced my decision to	14.71%	11.15%	28.99%
21	The suspect's initial possession of a pry-bar may have influenced my decision to	14.75%	9.51%	24.76%
22	The suspect's decision to drop the pry-bar may have influenced my decision to	4.22%		

DEBRIEF QUESTION	PARTICIPANT DEBRIEF FORM QUESTIONS	NA		
		BURG	MUGG	ROBB
1	I used cover and that influenced my decision to	43.04%	47.73%	39.94%
2	I did not use cover and that influenced my decision to	83.12%	82.20%	85.06%
3	I used verbal commands and the suspect's non-compliance influenced my decision to	18.89%	19.81%	11.44%
4	When the subject's hand or hands were concealed from view it influenced my decision to	1.97%	3.96%	0.98%
5	I saw the suspect look over his/her shoulder at me and that influenced my decision to	19.87%	24.18%	12.17%
6	I saw the suspect's shoulder dip as his/her back was to me and that influenced my decision to	30.49%	31.79%	21.31%
7	I saw the suspect's shoulders start to rotate abruptly toward me and that influenced my decision to	14.05%	11.18%	8.55%
8	As the suspect turned toward me I saw his/her right hand at waist height and that influenced my decision to	14.98%	22.95%	15.69%
9	As the suspect turned toward me, I saw <u>something</u> in his/her right hand that influenced my decision to	27.27%	29.37%	36.36%
10	As the suspect turned toward me, I saw <u>nothing</u> in his/her right hand that influenced my decision to	71.24%	71.34%	67.65%
11	As the suspect turned toward me, I <u>couldn't tell</u> if anything was in his/her right hand, influencing my decision to	81.11%	85.95%	80.13%
12	The suspect's outward physical appearance influenced my decision to	55.34%	59.80%	52.60%
12A	AGE	36.89%	36.36%	34.53%
12B	ATTIRE	30.10%	33.33%	30.39%
12C	ETHNICITY	43.04%	42.02%	41.18%
12D	GENDER	36.89%	36.48%	33.66%
12E	SIZE	36.57%	36.60%	36.27%
13	I believe the suspect's outward appearance may have caused me to hesitate in my decision to	79.29%	78.69%	80.07%
14	I believe the suspect's outward appearance may have caused me to hasten my decision to	79.94%	78.69%	75.24%
15	The nature of the call, as I perceived it, influenced my decision to	16.78%	33.55%	3.95%
16	The suspect's proximity to what appeared to be a crime-in-progress may have influenced my decision to	12.70%	18.15%	4.92%
17	The time of day and/or existing lighting conditions may have influenced my decision to	35.29%	33.66%	43.46%
18	The time of day and/or existing lighting conditions may have caused me to hesitate in my decision to	71.20%	64.29%	74.84%
19	If I had believed that I had back-up officers nearby that may have influenced my decision to	74.92%	74.75%	84.26%
20	The suspect's proximity to the crime-in-progress may have influenced my decision to	17.32%	40.66%	7.17%
21	The suspect's initial possession of a pry-bar may have influenced my decision to	7.21%	45.57%	20.20%
22	The suspect's decision to drop the pry-bar may have influenced my decision to	16.23%		

DEBRIEF QUESTION	PARTICIPANT DEBRIEF FORM QUESTIONS	UNKNOWN		
		BURG	MUGG	ROBB
1	I used cover and that influenced my decision to	0.65%	0.65%	1.62%
2	I did not use cover and that influenced my decision to	0.97%	2.27%	2.60%
3	I used verbal commands and the suspect's non-compliance influenced my decision to	0.65%	0.97%	1.31%
4	When the subject's hand or hands were concealed from view it influenced my decision to	8.52%	9.24%	8.85%
5	I saw the suspect look over his/her shoulder at me and that influenced my decision to	0.65%	1.31%	0.66%
6	I saw the suspect's shoulder dip as his/her back was to me and that influenced my decision to	0.33%	1.66%	1.31%
7	I saw the suspect's shoulders start to rotate abruptly toward me and that influenced my decision to	0.65%	0.66%	0.99%
8	As the suspect turned toward me I saw his/her right hand at waist height and that influenced my decision to	0.33%	0.66%	0.98%
9	As the suspect turned toward me, I saw <u>something</u> in his/her right hand that influenced my decision to	0.00%	0.33%	1.95%
10	As the suspect turned toward me, I saw <u>nothing</u> in his/her right hand that influenced my decision to	1.96%	0.65%	1.96%
11	As the suspect turned toward me, I <u>couldn't tell</u> if anything was in his/her right hand, influencing my decision to	2.61%	0.98%	1.30%
12	The suspect's outward physical appearance influenced my decision to	21.36%	18.95%	22.40%
12A	AGE	48.54%	51.62%	51.14%
12B	ATTIRE	47.57%	51.96%	48.37%
12C	ETHNICITY	49.84%	53.09%	52.61%
12D	GENDER	48.22%	52.44%	51.31%
12E	SIZE	49.51%	51.96%	50.65%
13	I believe the suspect's outward appearance may have caused me to hesitate in my decision to	0.32%	0.66%	1.63%
14	I believe the suspect's outward appearance may have caused me to hasten my decision to	0.65%	0.33%	2.28%
15	The nature of the call, as I perceived it, influenced my decision to	0.99%	0.99%	0.99%
16	The suspect's proximity to what appeared to be a crime-in-progress may have influenced my decision to	0.65%	1.32%	0.66%
17	The time of day and/or existing lighting conditions may have influenced my decision to	0.65%	0.65%	0.98%
18	The time of day and/or existing lighting conditions may have caused me to hesitate in my decision to	1.29%	0.65%	1.63%
19	If I had believed that I had back-up officers nearby that may have influenced my decision to	1.30%	1.64%	0.66%
20	The suspect's proximity to the crime-in-progress may have influenced my decision to	0.98%	0.66%	0.33%
21	The suspect's initial possession of a pry-bar may have influenced my decision to	2.95%	0.33%	0.33%
22	The suspect's decision to drop the pry-bar may have influenced my decision to	2.92%		

DEBRIEF QUESTION	PARTICIPANT DEBRIEF FORM QUESTIONS	NOT SHOOT		
		BURG	MUGG	ROBB
1	I used cover and that influenced my decision to	18.77%	18.51%	16.88%
2	I did not use cover and that influenced my decision to	3.90%	4.21%	1.62%
3	I used verbal commands and the suspect's non-compliance influenced my decision to	7.82%	11.04%	6.21%
4	When the subject's hand or hands were concealed from view it influenced my decision to	5.90%	6.60%	2.30%
5	I saw the suspect look over his/her shoulder at me and that influenced my decision to	6.84%	7.19%	3.29%
6	I saw the suspect's shoulder dip as his/her back was to me and that influenced my decision to	3.28%	3.64%	1.97%
7	I saw the suspect's shoulders start to rotate abruptly toward me and that influenced my decision to	3.27%	2.63%	1.64%
8	As the suspect turned toward me I saw his/her right hand at waist height and that influenced my decision to	7.49%	6.23%	5.23%
9	As the suspect turned toward me, I saw <u>something</u> in his/her right hand that influenced my decision to	7.14%	9.24%	5.52%
10	As the suspect turned toward me, I saw <u>nothing</u> in his/her right hand that influenced my decision to	24.51%	24.43%	27.78%
11	As the suspect turned toward me, I <u>couldn't tell</u> if anything was in his/her right hand, influencing my decision to	4.23%	3.59%	3.26%
12	The suspect's outward physical appearance influenced my decision to	7.44%	4.90%	5.84%
12A	AGE	6.80%	4.55%	4.56%
12B	ATTIRE	6.47%	3.59%	4.58%
12C	ETHNICITY	2.27%	0.98%	1.31%
12D	GENDER	3.56%	1.95%	2.29%
12E	SIZE	2.59%	2.29%	1.63%
13	I believe the suspect's outward appearance may have caused me to hesitate in my decision to	5.50%	5.90%	5.56%
14	I believe the suspect's outward appearance may have caused me to hasten my decision to	5.18%	4.26%	7.17%
15	The nature of the call, as I perceived it, influenced my decision to	4.61%	10.86%	0.66%
16	The suspect's proximity to what appeared to be a crime-in-progress may have influenced my decision to	0.98%	3.63%	0.00%
17	The time of day and/or existing lighting conditions may have influenced my decision to	1.96%	2.61%	1.31%
18	The time of day and/or existing lighting conditions may have caused me to hesitate in my decision to	4.85%	6.49%	3.92%
19	If I had believed that I had back-up officers nearby that may have influenced my decision to	8.47%	9.51%	3.61%
20	The suspect's proximity to the crime-in-progress may have influenced my decision to	0.65%	14.43%	0.33%
21	The suspect's initial possession of a pry-bar may have influenced my decision to	7.54%	6.56%	0.65%
22	The suspect's decision to drop the pry-bar may have influenced my decision to	61.36%		

Participant Consent Form



CONSENT TO PARTICIPATE IN RESEARCH MMRMA DEADLY FORCE PROJECT

You are being asked to participate in a research study conducted by Thomas J. Aveni, under the auspices of the Police Policy Studies Council. This study has been funded in part by the Michigan Municipal Risk Management Authority, the Police Policy Studies Council, and all law enforcement agencies participating in this study. If you have any questions or concerns about the research, please feel free to contact your agency liaison for this study: _____.

PURPOSE OF THE STUDY

This study has been designed to determine what an objectively reasonable officer might do given exposure to certain incident variables. There are no “right” or “wrong” responses in this study and your individual decisions will not be judged as a result.

PROCEDURES

If you volunteer to participate in this study, we would ask you to do the following things:

- Complete the “Officer Profile” form that you are given and then return to the study proctor.
- Please utilize the safety equipment that you are issued and do not remove it until told to do so.
- Assist us in assuring that you have no live ammunition on your person when you arrive for testing.
- Judge each scenario as if you observed or were being dispatched to a similar incident while on duty.
- Use verbal commands where, when and as often as you deem them necessary.
- Deploy your service pistol where and when you deem it to be necessary – re-holstering when you believe it’s appropriate.
- After each scenario culminates, fill out the “Debrief Sheet” that you’ll be issued for eliciting your observations.
- When you have completed your three scenarios and you’ve been released to resume your official responsibilities, PLEASE REFRAIN FROM DISCUSSING THE NATURE OF THE STUDY WITH YOUR PEERS UNTIL THIS STUDY HAS BEEN COMPLETED!

Your time with us, while participating in this study will likely encompass no more than twenty (20) minutes, which includes completion of preliminary and observation report forms.

POTENTIAL RISKS AND DISCOMFORTS

The risks associated with this study are being kept as minimal as possible. No live ammunition will be employed. However, in effort to inject some degree of situational stress into the decision-making process, we’ll be employing a “Return Fire Cannon” that may fire a foam rubber projectile at you. You’ll be given protective equipment that will minimize risk of injury.

POTENTIAL BENEFITS TO PARTICIPANTS AND/OR TO SOCIETY

This project will likely provide direct benefits to you, your agency and those that you serve, as it has been designed to provide valuable insights about the critical decision-making process as it pertains to deadly force. From a scientific standpoint, this study will be collecting and evaluating valuable data never before gathered. We believe this will be a ground-breaking study.

PAYMENT FOR PARTICIPATION

This study is being undertaken on a small MMRMA grant and upon the cumulative good will of all participating agencies. There will be no compensated participation in this study and involvement is voluntary.

CONFIDENTIALITY

Every effort will be made to ensure confidentiality of any identifying information that is obtained in connection with this study.

Upon your initial contact with the study's proctor, you'll be assigned a roster number. The roster number that you'll be assigned is for control and auditing purposes only. Upon completion of this study, any and all publication of the results will be devoid of any personal references of those that participated. The participant roster will be kept for a period of 12-24 months for the purpose of facilitating any review or audit of the methodology or analysis involved. Any and all data shared with the participating agencies will be communicated in aggregate and/or categorized formats. The names of participants will not be divulged within the context of individual performance.

All research activities will be videotaped for review and auditing purposes by the PPSC research staff. Video footage will be kept strictly confidential. Each participant has a right to review the taped footage. Taped footage will be kept for 12-24 months for the purpose of facilitating any review or audit of the methodology or analysis involved.

RIGHTS OF RESEARCH PARTICIPANTS

You may withdraw your consent at any time and discontinue participation without penalty. You are not waiving any legal claims, rights or remedies because of your participation in this research study. You may exercise the option of removing your data from the study. You may also refuse to answer any questions you don't want to answer and still remain in the study. The investigator may withdraw you from this research if circumstances arise that warrant doing so. If you have questions regarding your rights as a research participant, contact:

Thomas J. Aveni, MSFP
The Police Policy Studies Council
P.O. Box 475
Spofford, NH 03462
877-267-7772 Ext. 2
tom@theppsc.org

SIGNATURE OF RESEARCH PARTICIPANT/LEGAL REPRESENTATIVE

I have read the information provided for the study "MMRMA Deadly Force Project" as described herein. My questions have been answered to my satisfaction, and I agree to participate in this study. I have been given a copy of this form.

_____ Name of Participant (please print)	_____ Signature of Participant
_____ Name of Witness (please print)	_____ Signature of Witness

DATE _____