<u>Victims' Report</u>

Six people were chosen for the experiment. Each of six people passed away either by homicide or suicide. Weather Underground is used to get temperature and humidity. VPD is calculated as follows:

VPD = 610.78*exp(T / (T +237.3) x 17.2694) * (1 – RH/100) = VPD

where T is the temperature in Celcius and RH is relative humidity. Excel is used for calculations.

Each graph below shows how the temperature, humidity, and VPD changes throughout the day when each person passed away. Under each graph is a table that shows the temperature, humidity, and VPD at every hour during the day of the suicide. The average, standard deviation, and z-scores are also shown in every table. The average of the temperature, humidity, and VPD is calculated by taking the sum of the temperatures/humidities/VPDs and dividing the sum by 24 since there are 24 hours in one day. The standard deviation is calculated by the following steps:

1. For each temperature/humidity/VPD, subtract the mean from it and square the difference.
2. Find the average of the square differences.
3. Take the positive square root of the result found in the second step.

The z-scores show how far each of the temperatures/humidities/VPDs in terms of the number of standard deviations. The z-score is calculated by subtracting the average temperature/humidity/VPD from the actual temperature/humidity/VPD and dividing the difference by the standard deviation. If the magnitude of the z-score during the time of the suicide is greater than 1, then there might be some correlation between suicide and temperature/humidity/VPD.

Name: Anthony McRea
Date of Death: Feb 13, 2023
Time of Death 20:30
Place: Michigan State University
City and State: East Lansing, MI
Temperature: 36°F

**Linear Regression Equation**
Temp = 0.0895652 * Time + 37.1367

(20, 36) Time of Death
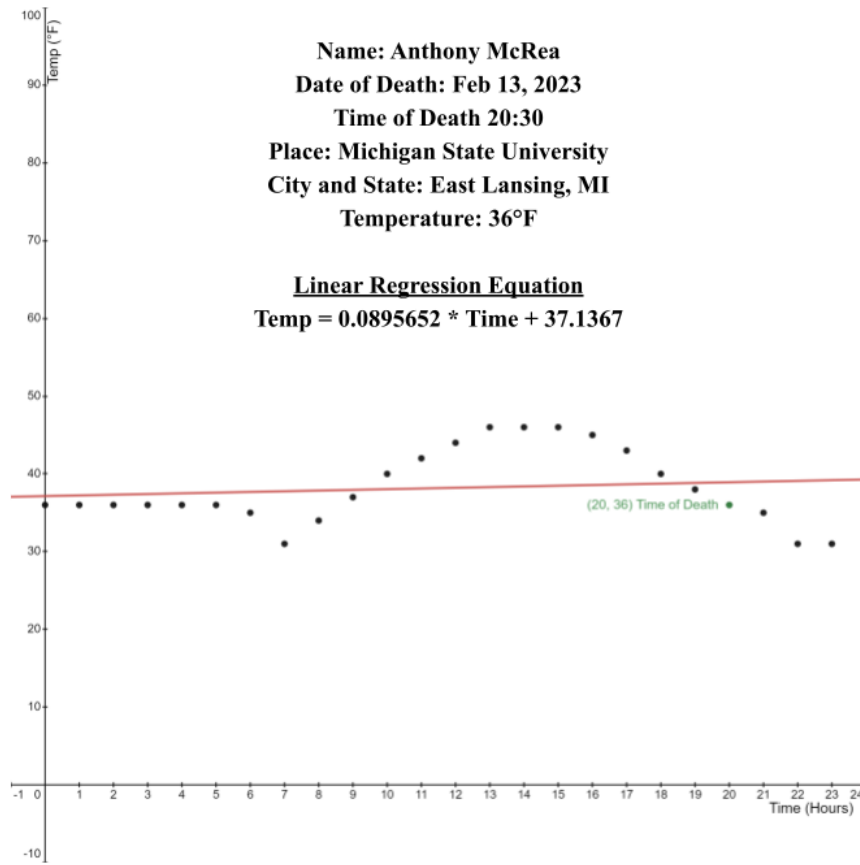
Anthony McRea Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:53	36	38.16666667	4.722875772	-0.4587600383
1:53	36			-0.4587600383
2:53	36			-0.4587600383
3:53	36			-0.4587600383
4:53	36			-0.4587600383
5:53	36			-0.4587600383
6:53	35			-0.6704954403
7:53	31			-1.517437048
8:53	34			-0.8822308422
9:53	37			-0.2470246363
10:53	40			0.3881815696
11:53	42			0.8116523735
12:53	44			1.235123177
13:53	46			1.658593981
14:53	46			1.658593981
15:53	46			1.658593981
16:53	45			1.446858579
17:53	43			1.023387775
18:53	40			0.3881815696
19:53	38			-0.03528923437
20:53	36			-0.4587600383
21:53	35			-0.6704954403
22:53	31			-1.517437048
23:53	31			-1.517437048

On average, the temperature was increasing during the day when Anthony McRea committed suicide. The average temperature during the day was about 38.2°F, and the temperature during the time of the suicide was 36°F, which was not much lower than the average temperature during the day. The z-score was about -0.46, which is less than 1 in magnitude. Based on this, there is no correlation between temperature and suicide.

Name: Anthony McRea
Date of Death: Feb 13, 2023
Time of Death 20:30
Place: Michigan State University
City and State: East Lansing, MI
Humidity: 73%

**Linear Regression Equation**
Humidity = 0.887391 * Time + 51.5033

(20, 73) Time of Death ●

Humidity (%)

Time (Hours)
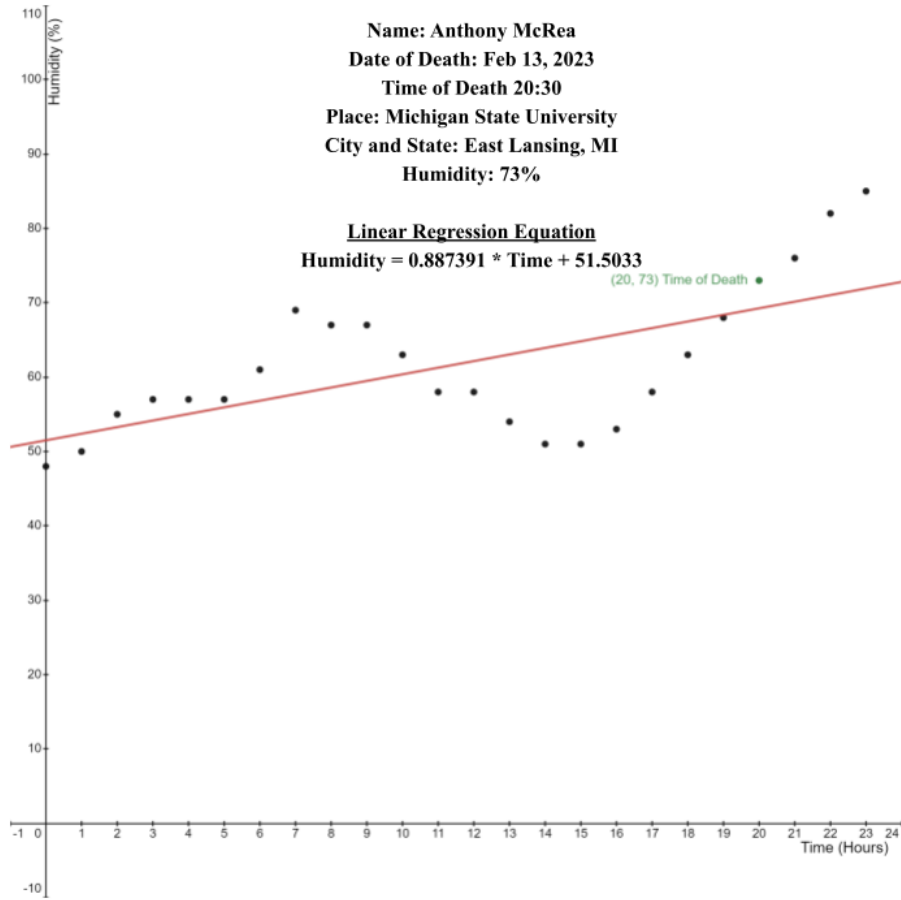
Anthony McRea Humidity				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:53	48	61.70833333	9.748842524	-1.406149837
1:53	50			-1.200997277
2:53	55			-0.6881158777
3:53	57			-0.4829633178
4:53	57			-0.4829633178
5:53	57			-0.4829633178
6:53	61			-0.07265819796
7:53	69			0.7479520417
8:53	67			0.5427994818
9:53	67			0.5427994818
10:53	63			0.132494362
11:53	58			-0.3803870378
12:53	58			-0.3803870378
13:53	54			-0.7906921577
14:53	51			-1.098420998
15:53	51			-1.098420998
16:53	53			-0.8932684376
17:53	58			-0.3803870378
18:53	63			0.132494362
19:53	68			0.6453757617
20:53	73			1.158257162
21:53	76			1.465986001
22:53	82			2.081443681
23:53	85			2.389172521

On average, the humidity was increasing during the day when Anthony McRea committed suicide. The average humidity during the day was about 61.7%, and the humidity during the time of the suicide was 73%, which was higher than the average humidity during the day. The z-score during the time of suicide was about 1.16, which is greater than 1 in magnitude. Also, starting from 19:53, the humidity increases. Based on this, there is some correlation between the increase in humidity and suicide.

Name: Anthony McRea
Date of Death: Feb 13, 2023
Time of Death 20:30
Place: Michigan State University
City and State: East Lansing, MI
VPD: 0.1935671187 kPa

**Linear Regression Equation**
VPD = 0.0510875 * Time + 0.115275

(20, 0.1935671187) Time of Death
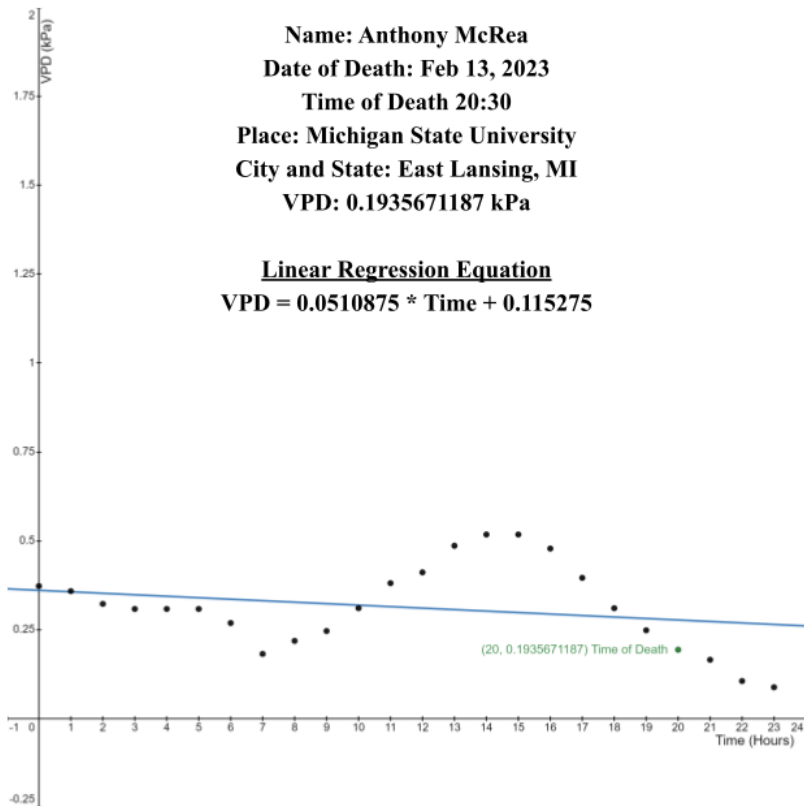
Anthony Mcrea VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:53	0.3727959322	0.3126150307	0.118042943	0.5098221035
1:53	0.3584576272			0.3883552488
2:53	0.3226118644			0.08468810965
3:53	0.3082735594			-0.036778745
4:53	0.3082735594			-0.036778745
5:53	0.3082735594			-0.036778745
6:53	0.2686940201			-0.3720765468
7:53	0.1818220875			-1.108011541
8:53	0.2184501763			-0.7977169326
9:53	0.2461366243			-0.563171374
10:53	0.3104368608			-0.0184523517
11:53	0.3808061592			0.5776806878
12:53	0.4112257194			0.835379788
13:53	0.4860293303			1.469078076
14:53	0.5177268953			1.737603785
15:53	0.5177268953			1.737603785
16:53	0.4780829353			1.401760244
17:53	0.395758458			0.7043489868
18:53	0.3104368608			-0.0184523517
19:53	0.2482717828			-0.5450833931
20:53	0.1935671187			-1.008513588
21:53	0.1653501662			-1.247553312
22:53	0.1055741153			-1.753945726
23:53	0.08797842944			-1.903007461

On average, the VPD was decreasing during the day when Anthony McRea committed suicide. The average VPD during the day was about 0.31 kPa, and the VPD during the time of the suicide was about 0.19 kPa, which was much lower than the average VPD during the day. The z-score was about -1.01, which is greater than 1 in magnitude. Also, starting from 15:53, the VPD started to decrease. Based on this, there is some correlation between the decrease in VPD and suicide.

Name: Steve Cain
Date of Death: Feb 27, 2023
Time of Death 9:45
Place: His Family's Home
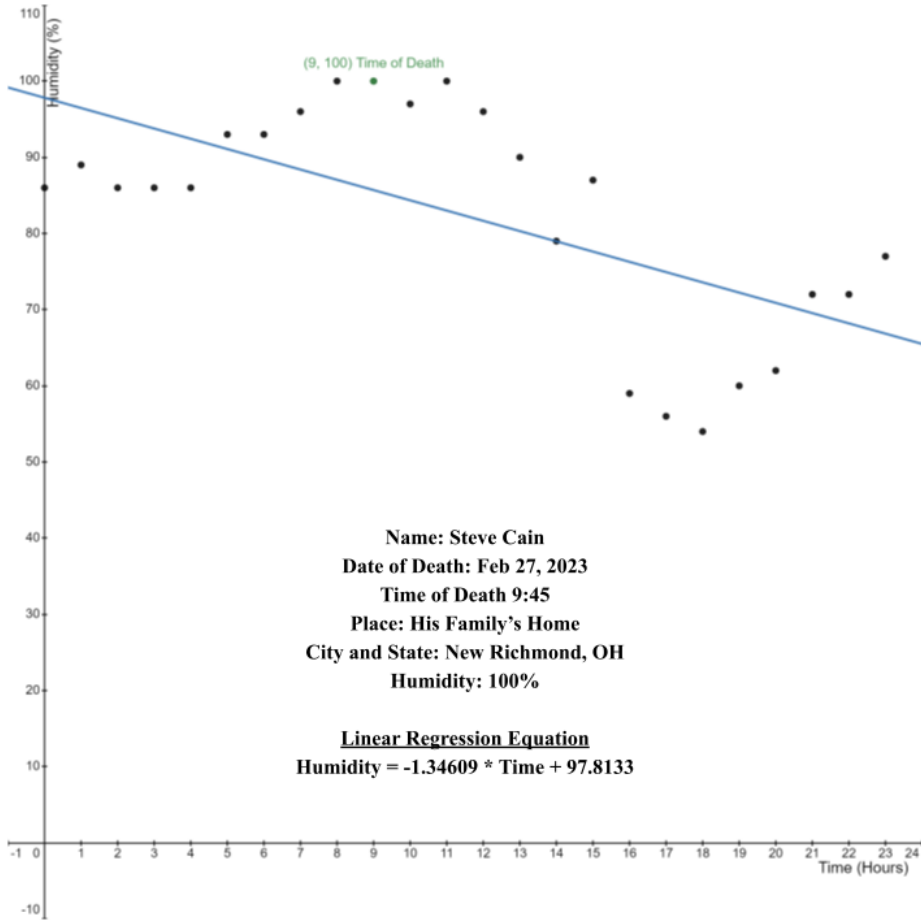City and State: New Richmond, OH
Temperature: 50°F

Linear Regression Equation
Temp = 0.773478 * Time + 47.1467

(9, 50) Time of Death
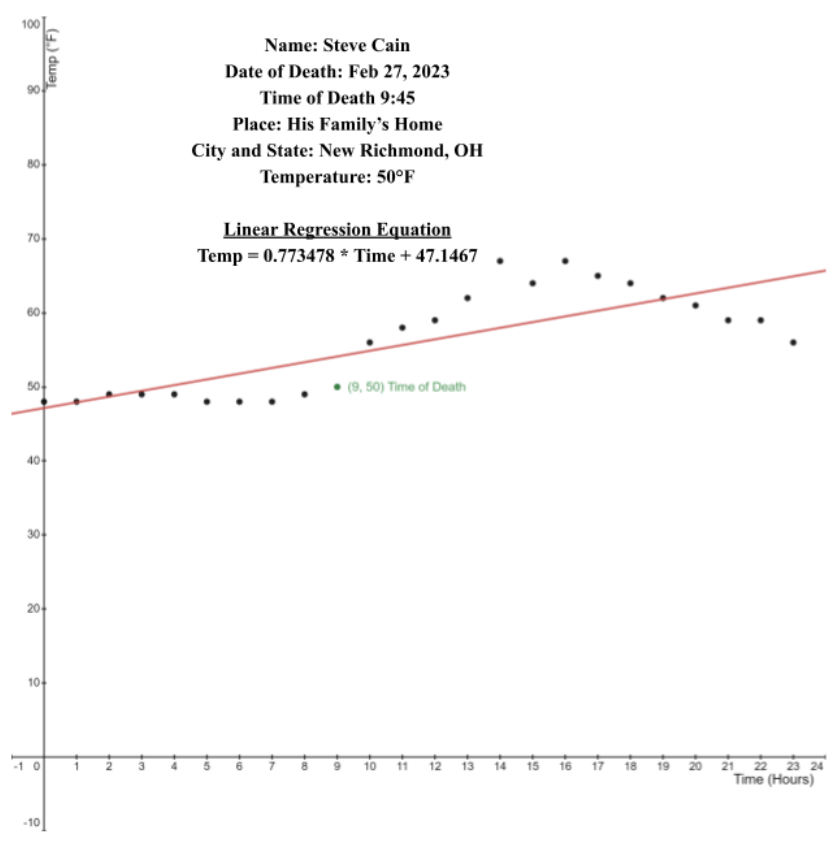
Steve Cain Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:52	48	56.04166667	6.864638657	-1.171462486
1:52	48			-1.171462486
2:52	49			-1.025788395
3:52	49			-1.025788395
4:52	49			-1.025788395
5:52	48			-1.171462486
6:52	48			-1.171462486
7:52	48			-1.171462486
8:52	49			-1.025788395
9:52	50			-0.8801143034
10:52	56			-0.006069754299
11:52	58			0.2852784287
12:52	59			0.4309525203
13:52	62			0.8679747948
14:52	67			1.596345252
15:52	64			1.159322978
16:52	67			1.596345252
17:52	65			1.304997069
18:52	64			1.159322978
19:52	62			0.8679747948
20:52	61			0.7223007033
21:52	59			0.4309525203
22:52	59			0.4309525203
23:52	56			-0.006069754299

On average, the temperature was increasing during the day when Steve Cain passed away. The average temperature during the day was about 56.0°F, and the temperature during the time of the death was 50°F, which was lower than the average temperature during the day. The z-score was about -0.88, which is less than 1 in magnitude. Based on this, there is no correlation between temperature and death.

Humidity (%)

(9, 100) Time of Death

Name: Steve Cain
Date of Death: Feb 27, 2023
Time of Death 9:45
Place: His Family's Home
City and State: New Richmond, OH
Humidity: 100%

<u>Linear Regression Equation</u>
Humidity = -1.34609 * Time + 97.8133

Time (Hours)

Steve Cain Humidity				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:52	86	82.33333333	14.63063756	0.2506156451
1:52	89			0.455664809
2:52	86			0.2506156451
3:52	86			0.2506156451
4:52	86			0.2506156451
5:52	93			0.7290636943
6:52	93			0.7290636943
7:52	96			0.9341128583
8:52	100			1.207511744
9:52	100			1.207511744
10:52	97			1.00246258
11:52	100			1.207511744
12:52	96			0.9341128583
13:52	90			0.5240145304
14:52	79			-0.2278324042
15:52	87			0.3189653664
16:52	59			-1.594826831
17:52	56			-1.799875995
18:52	54			-1.936575437
19:52	60			-1.526477109
20:52	62			-1.389777667
21:52	72			-0.7062804534
22:52	72			-0.7062804534
23:52	77			-0.3645318468

On average, the humidity was decreasing during the day when Steve Cain passed away. The average humidity during the day was about 82.3%, and the humidity during the time of the death was 100%, which was higher than the average humidity during the day. The z-score during the time of suicide was about 1.21, which is greater than 1 in magnitude. Based on this, there is some correlation between humidity and death.

Name: Steve Cain
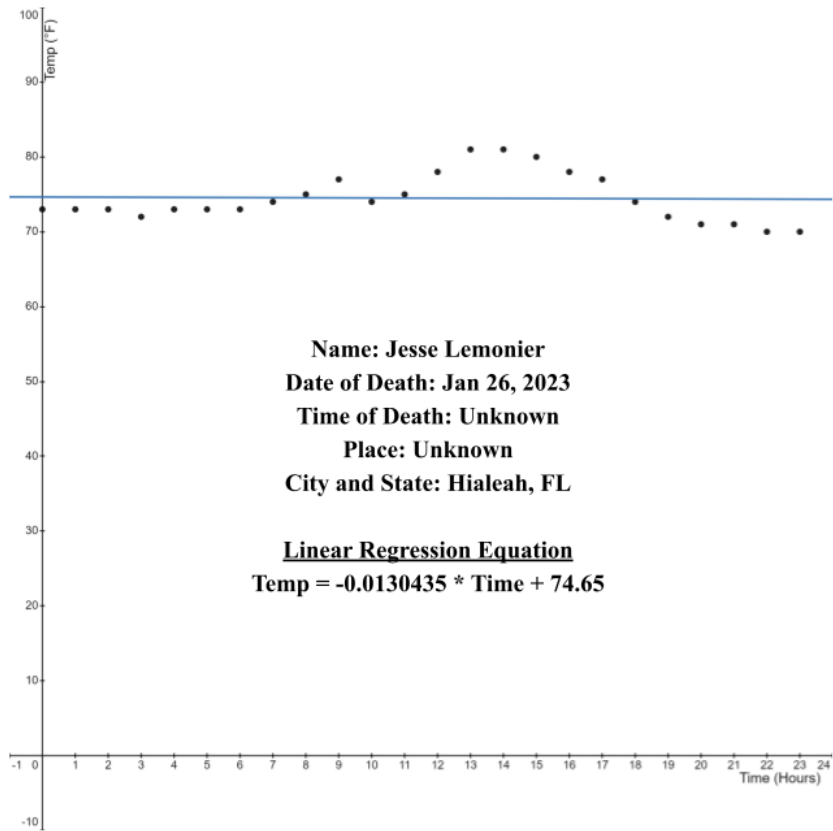**Date of Death: Feb 27, 2023**
Time of Death 9:45
Place: His Family's Home
City and State: New Richmond, OH
VPD: 0 kPa

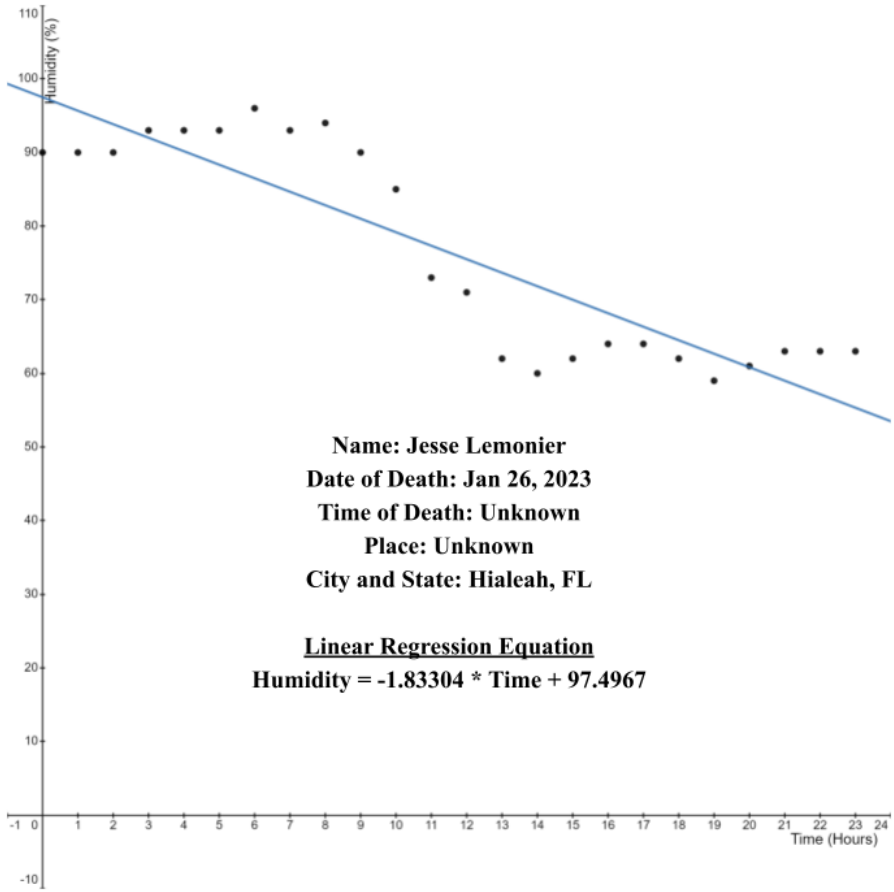**Linear Regression Equation**
VPD = 0.0298977 * Time - 0.0279579

VPD (kPa)

Time (Hours)

(9,0) Time of Death
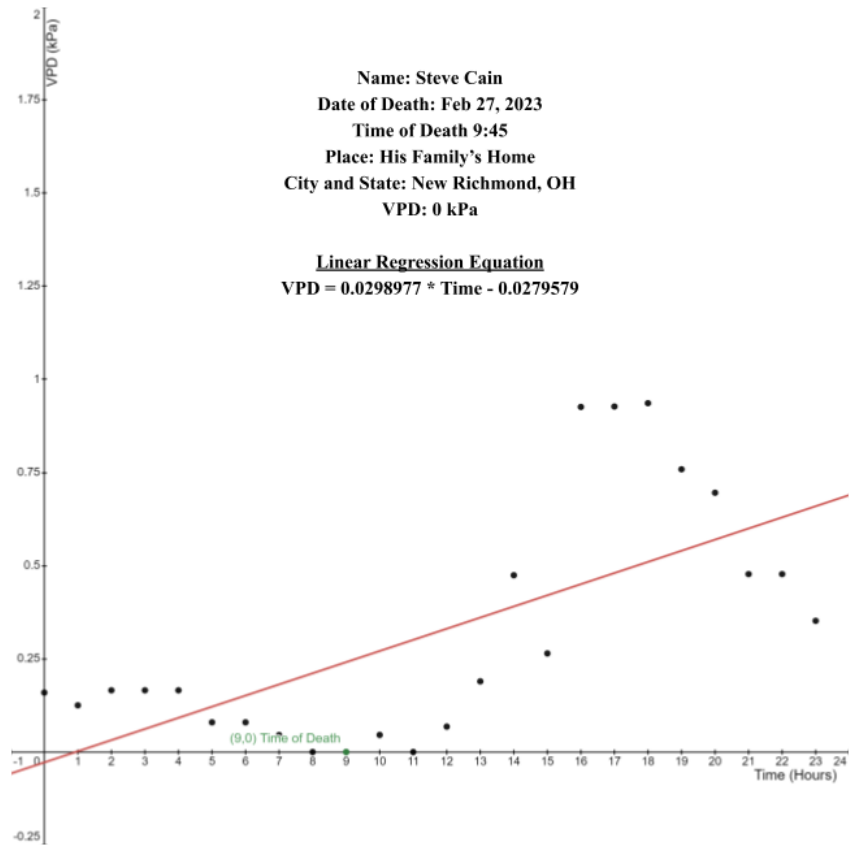
Steve Cain VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:52	0.1595173077	0.3158655949	0.3106039947	-0.5033685653
1:52	0.1253350275			-0.6134195653
2:52	0.1656092855			-0.4837552381
3:52	0.1656092855			-0.4837552381
4:52	0.1656092855			-0.4837552381
5:52	0.07975865385			-0.760154232
6:52	0.07975865385			-0.760154232
7:52	0.04557637363			-0.870205232
8:52	0			-1.016939899
9:52	0			-1.016939899
10:52	0.04591933207			-0.8691010658
11:52	0			-1.016939899
12:52	0.06820918251			-0.7973381432
13:52	0.1897036645			-0.4061825751
14:52	0.4743666892			0.5102996001
15:52	0.2645726212			-0.1651394527
16:52	0.9261444885			1.964813409
17:52	0.9272943795			1.968515521
18:52	0.9361800442			1.997123218
19:52	0.758814658			1.426089396
20:52	0.695818578			1.223271399
21:52	0.4774642775			0.5202723898
22:52	0.4774642775			0.5202723898
23:52	0.3520482126			0.1164911537

On average, the VPD was increasing during the day when Steve Cain passed away. The average VPD during the day was about 0.32 kPa, and the VPD during the time of the death was 0 kPa, which was much lower than the average VPD during the day. The z-score was about -1.02, which is greater than 1 in magnitude. Based on this, there is some correlation between VPD and death.

Name: Jesse Lemonier
Date of Death: Jan 26, 2023
Time of Death: Unknown
Place: Unknown
City and State: Hialeah, FL

Linear Regression Equation
Temp = -0.0130435 * Time + 74.65

Jesse Lemonier Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:53	73	74.5	3.188521078	-0.4704375362
1:53	73			-0.4704375362
2:53	73			-0.4704375362
3:53	72			-0.7840625603
4:53	73			-0.4704375362
5:53	73			-0.4704375362
6:53	73			-0.4704375362
7:53	74			-0.1568125121
8:53	75			0.1568125121
9:53	77			0.7840625603
10:53	74			-0.1568125121
11:53	75			0.1568125121
12:53	78			1.097687584
13:53	81			2.038562657
14:53	81			2.038562657
15:53	80			1.724937633
16:53	78			1.097687584
17:53	77			0.7840625603
18:53	74			-0.1568125121
19:53	72			-0.7840625603
20:53	71			-1.097687584
21:53	71			-1.097687584
22:53	70			-1.411312609
23:53	70			-1.411312609

On average, the temperature was decreasing during the day when Jesse Leminier committed suicide. The average temperature during the day was 74.5°F, and the temperature during the time of the suicide was unknown.

Name: Jesse Lemonier
Date of Death: Jan 26, 2023
Time of Death: Unknown
Place: Unknown
City and State: Hialeah, FL

<u>Linear Regression Equation</u>
**Humidity = -1.83304 * Time + 97.4967**

Jesse Lemonier Humidity				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:53	90	76.41666667	14.32921452	0.9479468195
1:53	90			0.9479468195
2:53	90			0.9479468195
3:53	93			1.157309307
4:53	93			1.157309307
5:53	93			1.157309307
6:53	96			1.366671795
7:53	93			1.157309307
8:53	94			1.227096803
9:53	90			0.9479468195
10:53	85			0.5990093398
11:53	73			-0.2384406113
12:53	71			-0.3780156032
13:53	62			-1.006103067
14:53	60			-1.145678058
15:53	62			-1.006103067
16:53	64			-0.8665280747
17:53	64			-0.8665280747
18:53	62			-1.006103067
19:53	59			-1.215465554
20:53	61			-1.075890562
21:53	63			-0.9363155706
22:53	63			-0.9363155706
23:53	63			-0.9363155706

On average, the humidity was decreasing during the day when Jesse Lemonier committed suicide. The average humidity during the day was about 76.4%, and the humidity during the time of the suicide was unknown.

Name: Jesse Lemonier
Date of Death: Jan 26, 2023
Place: Unknown
Time of Death Unknown
City and State: Hialeah, FL

<u>Linear Regression Equation</u>
**VPD = 0.0510875 * Time + 0.115275**
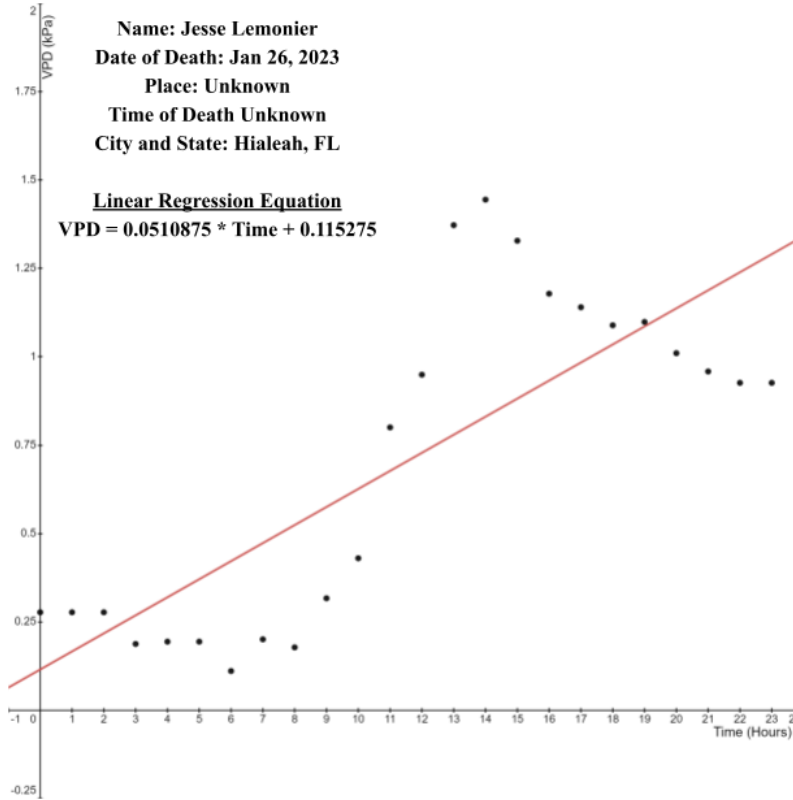
Jesse Lemonier VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:53	0.277166057	0.7027812738	0.4505835213	-0.944586734
1:53	0.277166057			-0.944586734
2:53	0.277166057			-0.944586734
3:53	0.1875810875			-1.143406632
4:53	0.1940162399			-1.129124812
5:53	0.1940162399			-1.129124812
6:53	0.1108664228			-1.31366289
7:53	0.2006433024			-1.114417078
8:53	0.1778289275			-1.165050033
9:53	0.3167492849			-0.8567379202
10:53	0.4299499338			-0.6055066977
11:53	0.8002301739			0.2162726675
12:53	0.9494112504			0.5473568494
13:53	1.372463318			1.486255073
14:53	1.44469823			1.646569218
15:53	1.32843511			1.388541317
16:53	1.178579483			1.055960076
17:53	1.140297426			0.970999008
18:53	1.089206499			0.8576106469
19:53	1.098689227			0.8786560859
20:53	1.010284592			0.6824557572
21:53	0.9584751256			0.5674727097
22:53	0.9264152635			0.4963208354
23:53	0.9264152635			0.4963208354

On average, the VPD was increasing during the day when Jesse Lemonier committed suicide. The average VPD during the day was about 0.70 kPa, and the VPD during the time of the suicide was unknown.

Name: Sam Westmoreland
Date of Death: Oct 19, 2022
Time of Death: 6:00 - 10:00
Place: Blackjack Missionary Baptist Church
City and State: Starkville, MS
Temperature: 32°F - 47°F

**Linear Regression Equation**
Temp = 0.647391 * Time + 38.18

(9, 47) End Range of Time of Death

(5, 32) Start Range of Time of Death
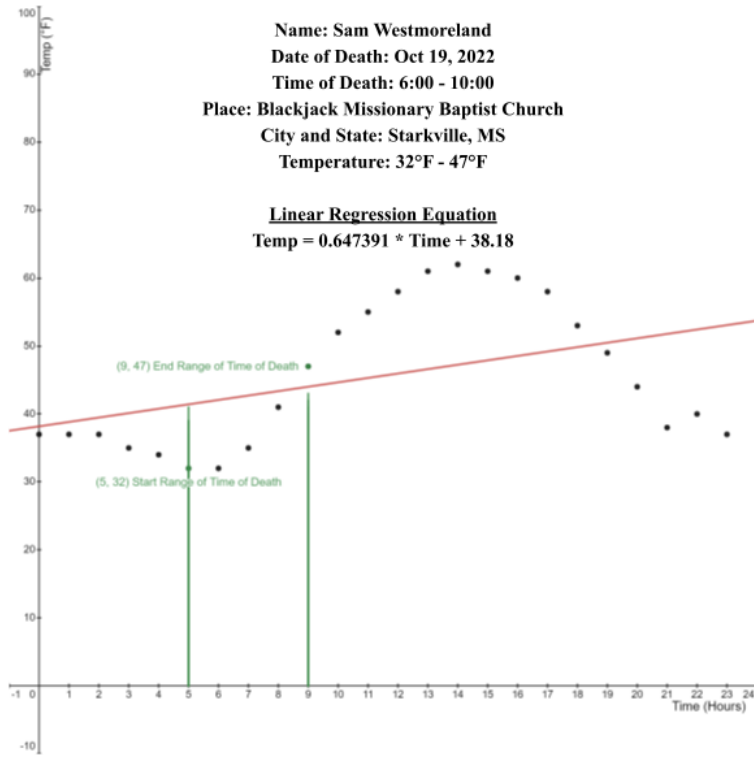
Sam Westmoreland Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:56	37	45.625	10.39556195	-0.8296809775
1:56	37			-0.8296809775
2:56	37			-0.8296809775
3:56	35			-1.022070769
4:56	34			-1.118265665
5:56	32			-1.310655457
6:56	32			-1.310655457
7:56	35			-1.022070769
8:56	41			-0.4449013937
9:56	47			0.1322679819
10:56	52			0.6132424616
11:56	55			0.9018271494
12:56	58			1.190411837
13:56	61			1.478996525
14:56	62			1.575191421
15:56	61			1.478996525
16:56	60			1.382801629
17:56	58			1.190411837
18:56	53			0.7094373575
19:56	49			0.3246577738
20:56	44			-0.1563167059
21:56	38			-0.7334860815
22:56	40			-0.5410962897
23:56	37			-0.8296809775

On average, the temperature was increasing during the day when Sam Westmoreland committed suicide. The average temperature during the day was about 45.6°F, and the temperature during the time of the suicide was somewhere between 32°F and 47°F, which was on average lower than the average temperature during the day.
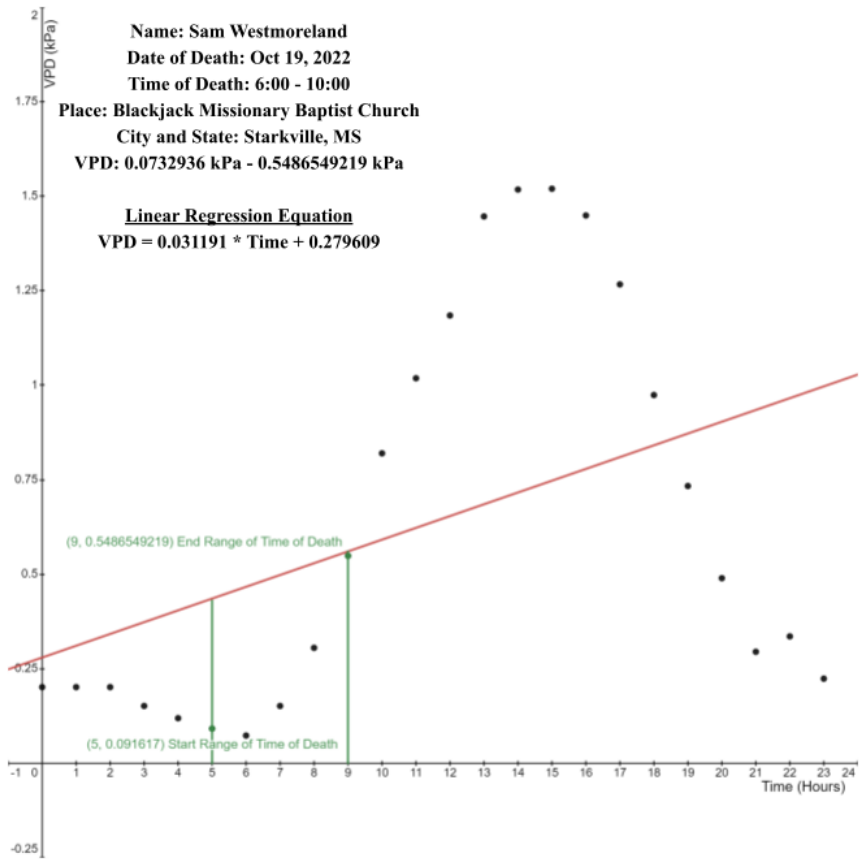
Name: Sam Westmoreland
Date of Death: Oct 19, 2022
Time of Death: 6:00 - 10:00
Place: Blackjack Missionary Baptist Church
City and State: Starkville, MS
Humidity: 50% - 88%

Linear Regression Equation
Humidity = -1.83043 * Time + 73.1333

(5, 85) Start Range of Time of Death

(9, 50) End Range of Time of Death

Humidity (%)

Time (Hours)
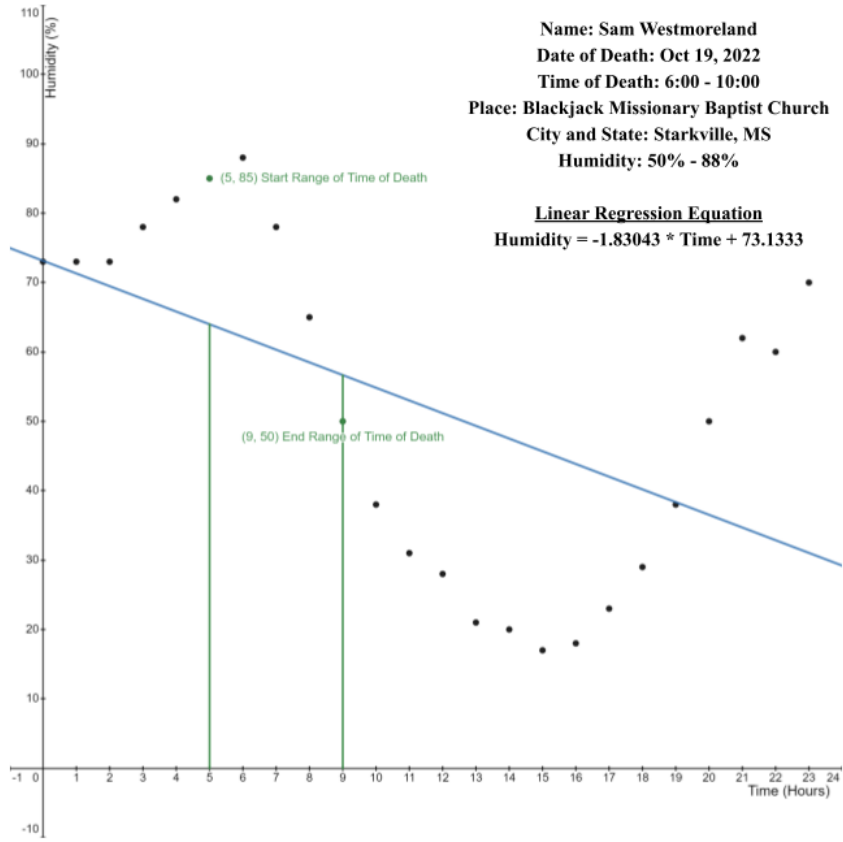
Sam Westmoreland				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:56	73	52.08333333	23.95293417	0.8732402687
1:56	73			0.8732402687
2:56	73			0.8732402687
3:56	78			1.081982962
4:56	82			1.248977117
5:56	85			1.374222733
6:56	88			1.49946835
7:56	78			1.081982962
8:56	65			0.5392519588
9:56	50			-0.08697612222
10:56	38			-0.587958587
11:56	31			-0.8801983582
12:56	28			-1.005443974
13:56	21			-1.297683746
14:56	20			-1.339432284
15:56	17			-1.4646779
16:56	18			-1.422929362
17:56	23			-1.214186668
18:56	29			-0.9636954356
19:56	38			-0.587958587
20:56	50			-0.08697612222
21:56	62			0.4140063426
22:56	60			0.3305092651
23:56	70			0.7479946525

On average, the humidity was decreasing during the day when Sam Westmoreland committed suicide. The average humidity during the day was about 52.1%, and the humidity during the time of the suicide was somewhere between 50% and 88%, which was on average higher than the average humidity during the day. Even though it is uncertain what exact time Westmoreland passed away, the humidity was high most of the time in the time range when he passed away. Even the z-scores were greater than 1 in magnitude most of the time in the time range.

VPD (kPa)

Name: Sam Westmoreland
Date of Death: Oct 19, 2022
Time of Death: 6:00 - 10:00
Place: Blackjack Missionary Baptist Church
City and State: Starkville, MS
VPD: 0.0732936 kPa - 0.5486549219 kPa

Linear Regression Equation
VPD = 0.031191 * Time + 0.279609

(9, 0.5486549219) End Range of Time of Death

(5, 0.091617) Start Range of Time of Death

Time (Hours)

Sam Westmoreland VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:56	0.2013845108	0.63830506	0.5127637106	-0.8520894521
1:56	0.2013845108			-0.8520894521
2:56	0.2013845108			-0.8520894521
3:56	0.1515709857			-0.9492365864
4:56	0.1191546416			-1.01245546
5:56	0.091617			-1.066159809
6:56	0.0732936			-1.101894398
7:56	0.1515709857			-0.9492365864
8:56	0.3052950591			-0.6494414367
9:56	0.5486549219			-0.174837135
10:56	0.8198645884			0.3540802998
11:56	1.018470071			0.7414038926
12:56	1.184535771			1.06526788
13:56	1.446570202			1.576291624
14:56	1.517629316			1.714872246
15:56	1.519814262			1.719133363
16:56	1.449090365			1.581206486
17:56	1.2667952			1.225691536
18:56	0.9740832324			0.6548399691
19:56	0.7334125503			0.1854801507
20:56	0.4895544278			-0.2900958651
21:56	0.2948227421			-0.669864717
22:56	0.3356074171			-0.5903257907
23:56	0.2237605675			-0.8084513079

On average, the VPD was increasing during the day when Sam Westmoreland committed suicide. The average VPD during the day was about 0.64 kPa, and the VPD during the time of the suicide was somewhere between 0.07 kPa and 0.55 kPa, which was on average lower than the average. Even though it is uncertain what exact time Westmoreland passed away, the VPD was low most of the time in the time range when he passed away.
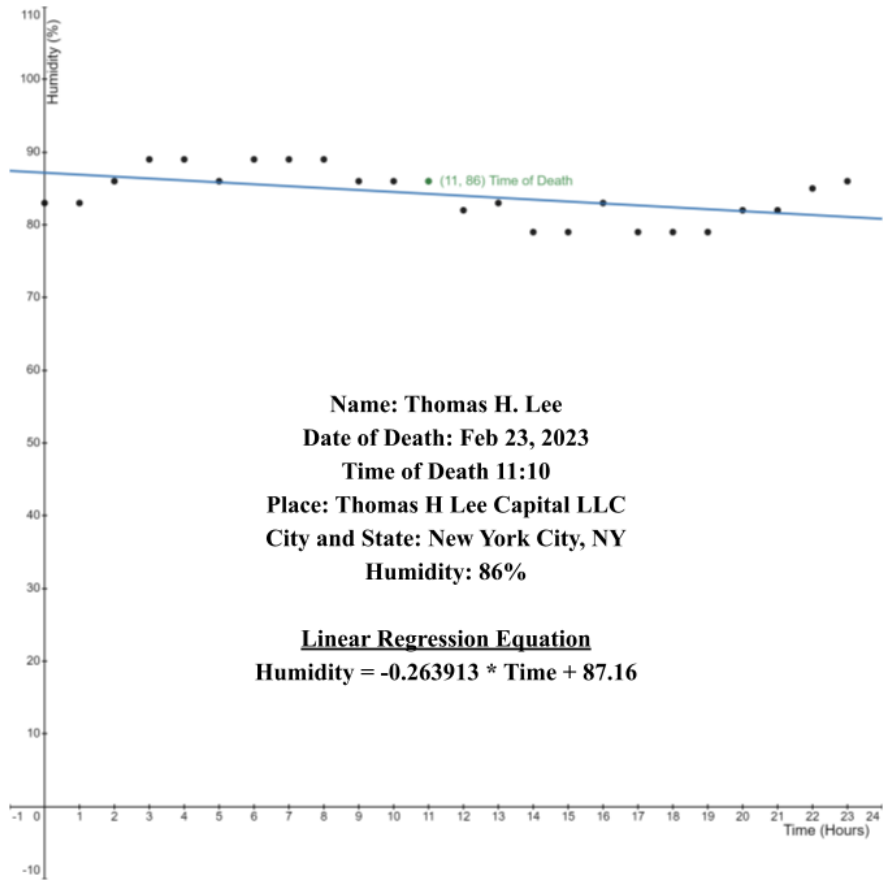
Name: Thomas H. Lee
Date of Death: Feb 23, 2023
Time of Death 11:10
Place: Thomas H Lee Capital LLC
City and State: New York City, NY
Temperature: 38°F

Linear Regression Equation
Temp = 0.208261 * Time + 37.0633

(11, 38) Time of Death
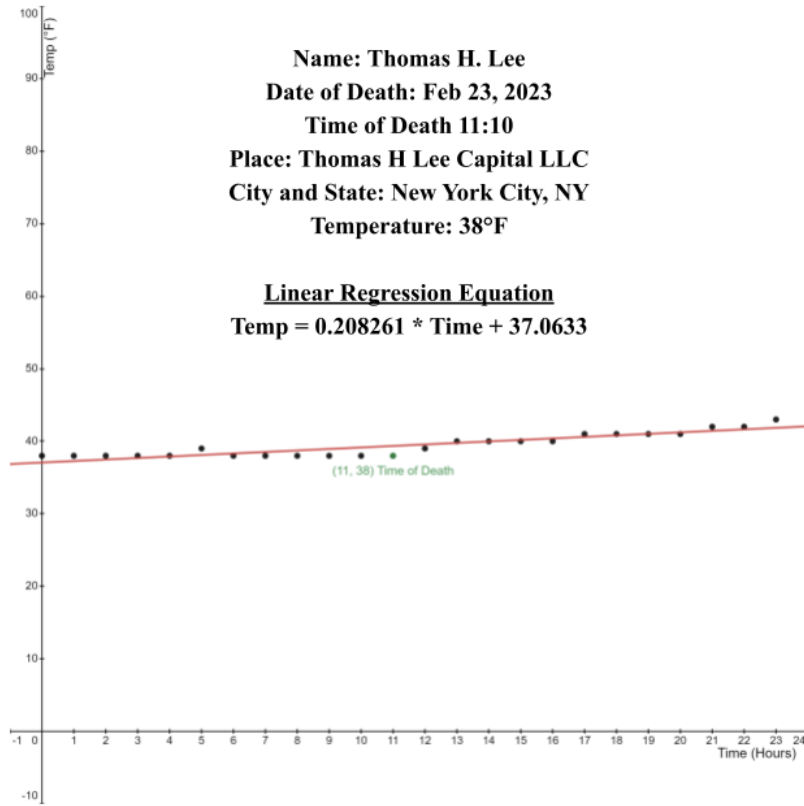
Thomas H. Lee Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:51	38	39.45833333	1.580589728	-0.9226514029
1:51	38			-0.9226514029
2:51	38			-0.9226514029
3:51	38			-0.9226514029
4:51	38			-0.9226514029
5:51	39			-0.2899761538
6:51	38			-0.9226514029
7:51	38			-0.9226514029
8:51	38			-0.9226514029
9:51	38			-0.9226514029
10:51	38			-0.9226514029
11:51	38			-0.9226514029
12:51	39			-0.2899761538
13:51	40			0.3426990954
14:51	40			0.3426990954
15:51	40			0.3426990954
16:51	40			0.3426990954
17:51	41			0.9753743446
18:51	41			0.9753743446
19:51	41			0.9753743446
20:51	41			0.9753743446
21:51	42			1.608049594
22:51	42			1.608049594
23:51	43			2.240724843

On average, the temperature was increasing during the day when Thomas H. Lee committed suicide. The average temperature during the day was about 39.5°F, and the temperature during the time of the suicide was 38°F, which was not much smaller than the average temperature during the day. The z-score was about -0.92, which is less than 1 in magnitude. Based on this, there is no correlation between temperature and suicide.
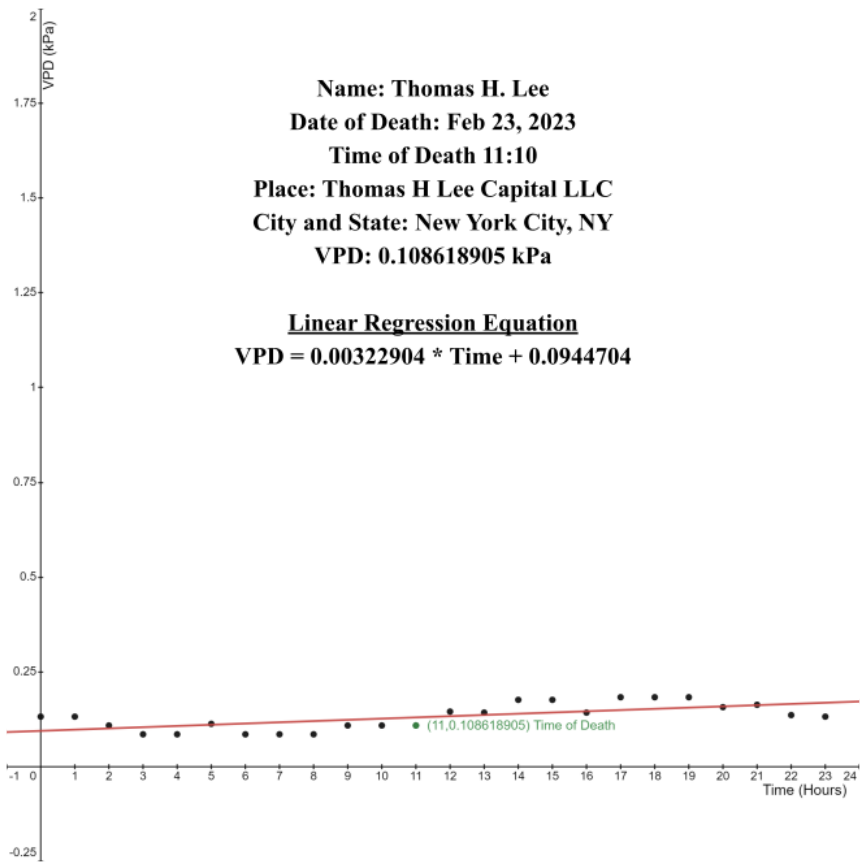
Humidity (%)

(11, 86) Time of Death

Name: Thomas H. Lee
Date of Death: Feb 23, 2023
Time of Death 11:10
Place: Thomas H Lee Capital LLC
City and State: New York City, NY
Humidity: 86%

Linear Regression Equation
Humidity = -0.263913 * Time + 87.16

Time (Hours)

Thomas H. Lee Humidity				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:51	83	84.125	3.479852727	-0.3232895436
1:51	83			-0.3232895436
2:51	86			0.538815906
3:51	89			1.400921356
4:51	89			1.400921356
5:51	86			0.538815906
6:51	89			1.400921356
7:51	89			1.400921356
8:51	89			1.400921356
9:51	86			0.538815906
10:51	86			0.538815906
11:51	86			0.538815906
12:51	82			-0.6106580269
13:51	83			-0.3232895436
14:51	79			-1.472763477
15:51	79			-1.472763477
16:51	83			-0.3232895436
17:51	79			-1.472763477
18:51	79			-1.472763477
19:51	79			-1.472763477
20:51	82			-0.6106580269
21:51	82			-0.6106580269
22:51	85			0.2514474228
23:51	86			0.538815906

On average, the humidity was decreasing during the day when Thomas H. Lee committed suicide. The average humidity during the day was about 84.1%, and the humidity during the time of the suicide was 86%, which was not much higher than the average humidity during the day. The z-score during the time of suicide was about 0.54, which is less than 1 in magnitude. However, since the humidity during the time of suicide was above 80%, there is some correlation between humidity and suicide.

Name: Thomas H. Lee
Date of Death: Feb 23, 2023
Time of Death 11:10
Place: Thomas H Lee Capital LLC
City and State: New York City, NY
VPD: 0.108618905 kPa

Linear Regression Equation
VPD = 0.00322904 * Time + 0.0944704

Thomas H. Lee VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:51	0.1318943846	0.1316043461	0.033670874	0.008613928465
1:51	0.1318943846			0.008613928465
2:51	0.108618905			-0.6826505632
3:51	0.08534342534			-1.373915057
4:51	0.08534342534			-1.373915057
5:51	0.1129644153			-0.5535921283
6:51	0.08534342534			-1.373915057
7:51	0.08534342534			-1.373915057
8:51	0.08534342534			-1.373915057
9:51	0.108618905			-0.6826505632
10:51	0.108618905			-0.6826505632
11:51	0.108618905			-0.6826505632
12:51	0.1452399625			0.4049677
13:51	0.1426331523			0.3275473693
14:51	0.176193894			1.324276522
15:51	0.176193894			1.324276522
16:51	0.1426331523			0.3275473693
17:51	0.1831770355			1.531670648
18:51	0.1831770355			1.531670648
19:51	0.1831770355			1.531670648
20:51	0.1570088875			0.754496049
21:51	0.1632026397			0.9384458984
22:51	0.1360021997			0.1306129921
23:51	0.131919486			0.009359421439

On average, the VPD was increasing during the day when Thomas H. Lee committed suicide. The average VPD during the day was about 0.13 kPa, and the VPD during the time of the suicide was about 0.11 kPa, which was lower than the average VPD during the day. The z-score was about -0.68, which is less than 1 in magnitude. However, since the VPD during the time of suicide was less than 0.15, there is some correlation between VPD and suicide.

Name: Philipp Fusz
Date of Death: Mar 9, 2023
Time of Death 21:00
Place: Kingdom Hall of Jehovah's Witnesses
City and State: Hamburg, Germany
Temperature: 36°F

Linear Regression Equation
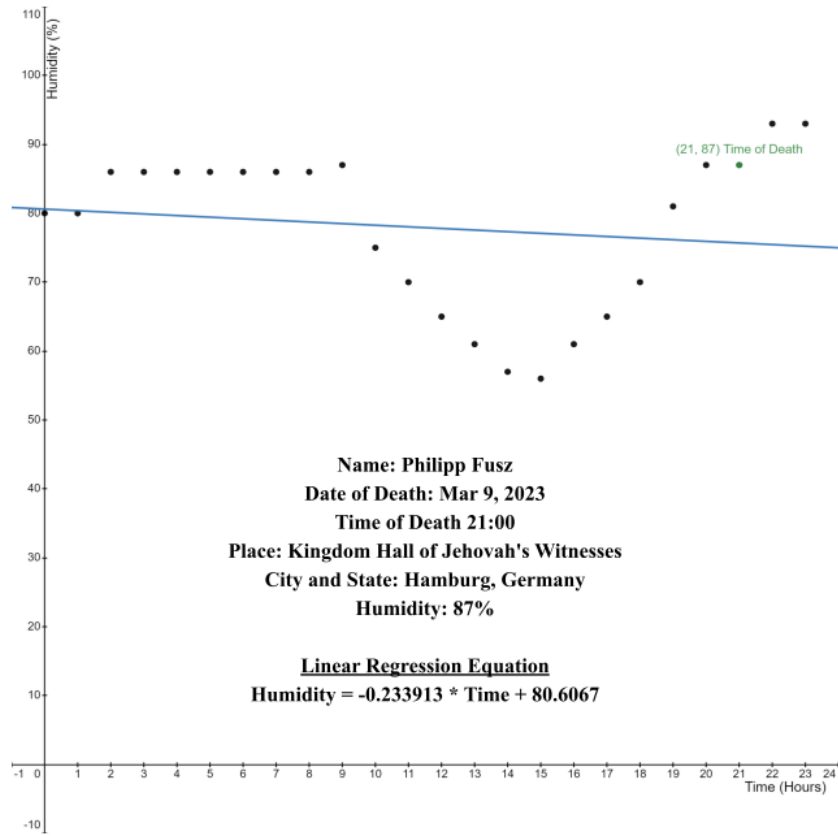Temp = 0.34087 * Time + 30.58

(21, 36) Time of Death
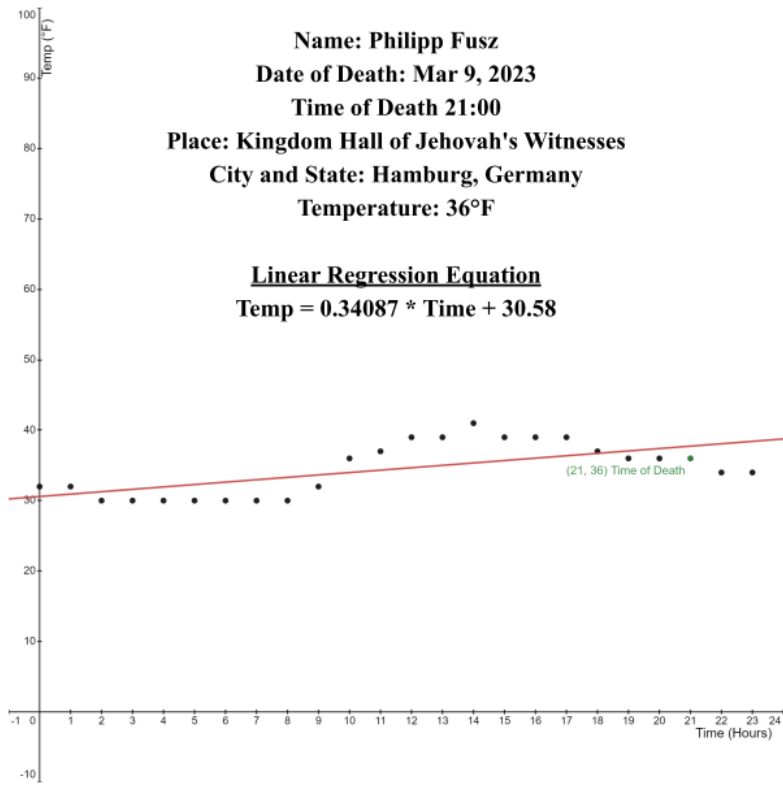
Philipp Fusz Temperature				
Time	Temp (°F)	Mean Temp	STD Temp	Z-Score Temp
0:50	32	34.5	3.685557398	-0.6783234475
1:50	32			-0.6783234475
2:50	30			-1.220982205
3:50	30			-1.220982205
4:50	30			-1.220982205
5:50	30			-1.220982205
6:50	30			-1.220982205
7:50	30			-1.220982205
8:50	30			-1.220982205
9:50	32			-0.6783234475
10:50	36			0.4069940685
11:50	37			0.6783234475
12:50	39			1.220982205
13:50	39			1.220982205
14:50	41			1.763640963
15:50	39			1.220982205
16:50	39			1.220982205
17:50	39			1.220982205
18:50	37			0.6783234475
19:50	36			0.4069940685
20:50	36			0.4069940685
21:50	36			0.4069940685
22:50	34			-0.1356646895
23:50	34			-0.1356646895

On average, the temperature was increasing during the day when Philipp Fusz committed suicide. The average temperature during the day was about 34.5°F, and the temperature during the time of the suicide was 36°F, which was not much greater than the average temperature during the day. The z-score was about 0.41, which is less than 1 in magnitude. Based on this, there is no correlation between temperature and suicide.

Humidity (%)

(21, 87) Time of Death

Name: Philipp Fusz
Date of Death: Mar 9, 2023
Time of Death 21:00
Place: Kingdom Hall of Jehovah's Witnesses
City and State: Hamburg, Germany
Humidity: 87%

<u>Linear Regression Equation</u>
Humidity = -0.233913 * Time + 80.6067

Time (Hours)

Philipp Fusz Humidity				
Time	Hum (%)	Mean Hum	STD Hum	Z-Score Hum
0:50	80	77.91666667	11.43064837	0.1822585441
1:50	80			0.1822585441
2:50	86			0.7071631519
3:50	86			0.7071631519
4:50	86			0.7071631519
5:50	86			0.7071631519
6:50	86			0.7071631519
7:50	86			0.7071631519
8:50	86			0.7071631519
9:50	87			0.7946472532
10:50	75			-0.2551619624
11:50	70			-0.692582469
12:50	65			-1.130002976
13:50	61			-1.479939381
14:50	57			-1.829875786
15:50	56			-1.917359887
16:50	61			-1.479939381
17:50	65			-1.130002976
18:50	70			-0.692582469
19:50	81			0.2697426454
20:50	87			0.7946472532
21:50	87			0.7946472532
22:50	93			1.319551861
23:50	93			1.319551861

On average, the humidity was decreasing during the day when Thomas H. Lee committed suicide. The average humidity during the day was about 77.9%, and the humidity during the time of the suicide was 87%, which was higher than the average humidity during the day. The z-score during the time of suicide was about 0.79, which is less than 1 in magnitude. However, since the humidity during the time of suicide was above 80%, there is some correlation between humidity and suicide.

Name: Philipp Fusz
Date of Death: Mar 9, 2023
Time of Death 21:00
Place: Kingdom Hall of Jehovah's Witnesses
City and State: Hamburg, Germany
VPD: 0.09319898306 kPa

Linear Regression Equation
VPD = 0.00354974 * Time + 0.119258

(21, 0.09319898306) Time of Death
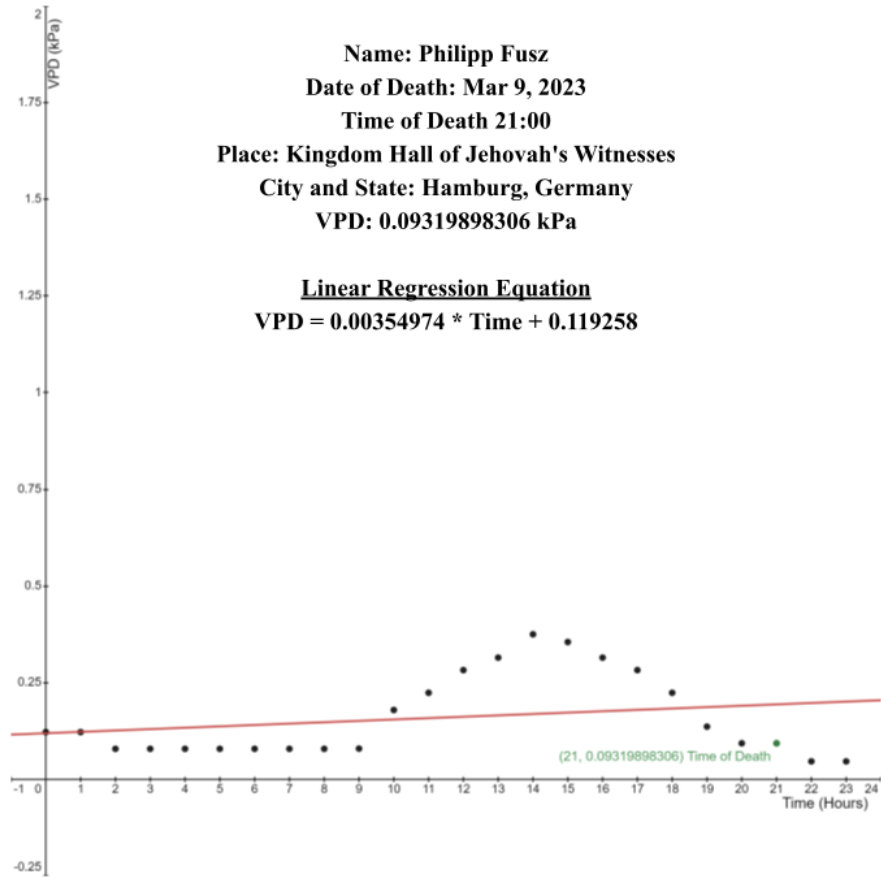
Philipp Fusz VPD				
Time	VPD (kPa)	Mean VPD	STD VPD	Z-Score VPD
0:50	0.122156	0.1600797249	0.1043674321	-0.3633674235
1:50	0.122156			-0.3633674235
2:50	0.07883704255			-0.778429446
3:50	0.07883704255			-0.778429446
4:50	0.07883704255			-0.778429446
5:50	0.07883704255			-0.778429446
6:50	0.07883704255			-0.778429446
7:50	0.07883704255			-0.778429446
8:50	0.07883704255			-0.778429446
9:50	0.0794014			-0.7730220364
10:50	0.1792288136			0.1834776263
11:50	0.2237605675			0.610160098
12:50	0.2824110382			1.172121521
13:50	0.3146865854			1.481370744
14:50	0.3750767869			2.060001455
15:50	0.3550310194			1.867932271
16:50	0.3146865854			1.481370744
17:50	0.2824110382			1.172121521
18:50	0.2237605675			0.610160098
19:50	0.1362138983			-0.2286712063
20:50	0.09319898306			-0.6408200383
21:50	0.09319898306			-0.6408200383
22:50	0.04633791619			-1.089820899
23:50	0.04633791619			-1.089820899

On average, the VPD was increasing during the day when Thomas H. Lee committed suicide. The average VPD during the day was about 0.16 kPa, and the VPD during the time of the suicide was about 0.09 kPa, which was lower than the average VPD during the day. The z-score was about -0.64, which is less than 1 in magnitude. However, since the VPD during the time of suicide was less than 0.15, there is some correlation between VPD and suicide.

Based on the sample of six people who died either from homicide or suicide, there is no correlation between temperature and death; however there is some correlation between humidity, VPD, and death. Five of the people from the sample have died when the humidity was high or started to increase and the VPD was low or started to decrease. From the data, there is evidence that there is global warming and that there is a connection between global warming and death whether it is was homicide or suicide.