# **Bitter Aloe**

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Applying Machine Learning to Human Rights Data

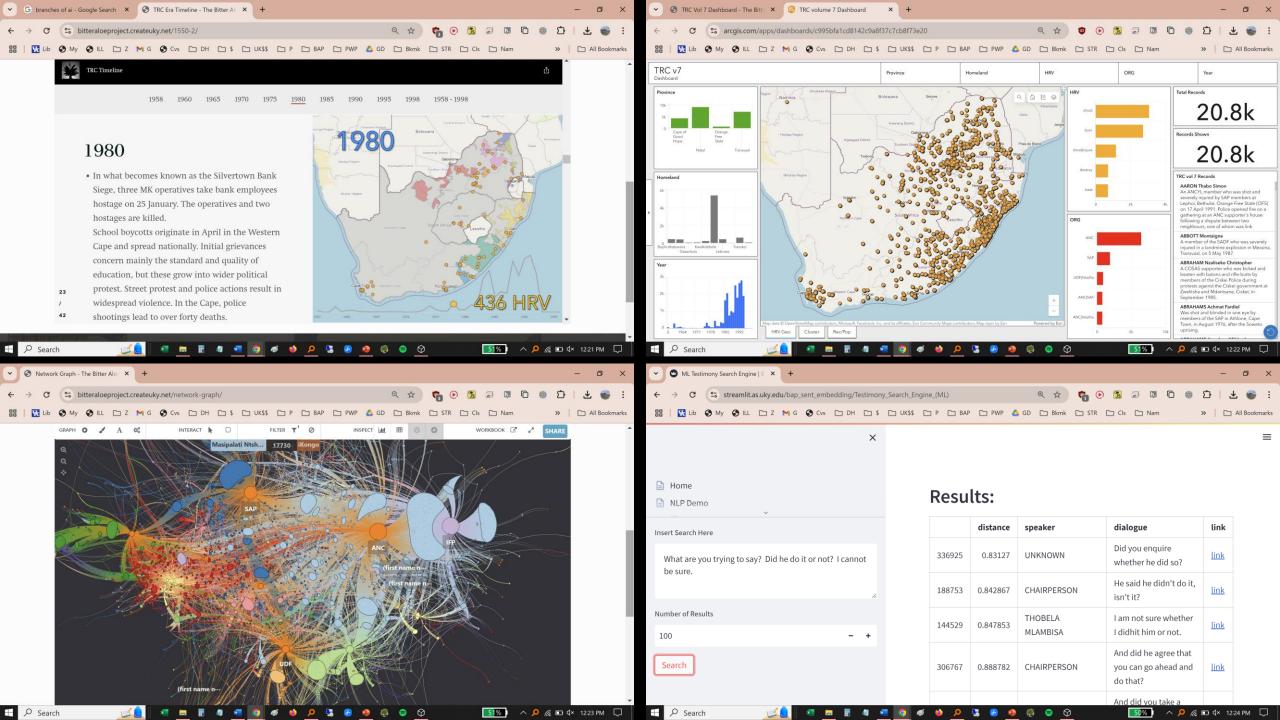
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- William Mattingly {PI and Lead Developer} Postdoctoral Fellow, Smithsonian Institution / US Holocaust Museum and Memorial
- Jennifer Hootman {Data Management} Digital Humanities Librarian, University of Kentucky
- Jamari Turner {Social Media Coordinator}, Community Leadership and Development, University of Kentucky
- Robert Vaughan, {GIS Developer} Donovan Scholar, University of Kentucky

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Prahar Chokshi Noble Eleazu Milin Shah Jonathan Stefanski Brennen Green Jainam Dhruva Austin Burnett **Jared Statter** Aaron Applegate Jevan Lewis



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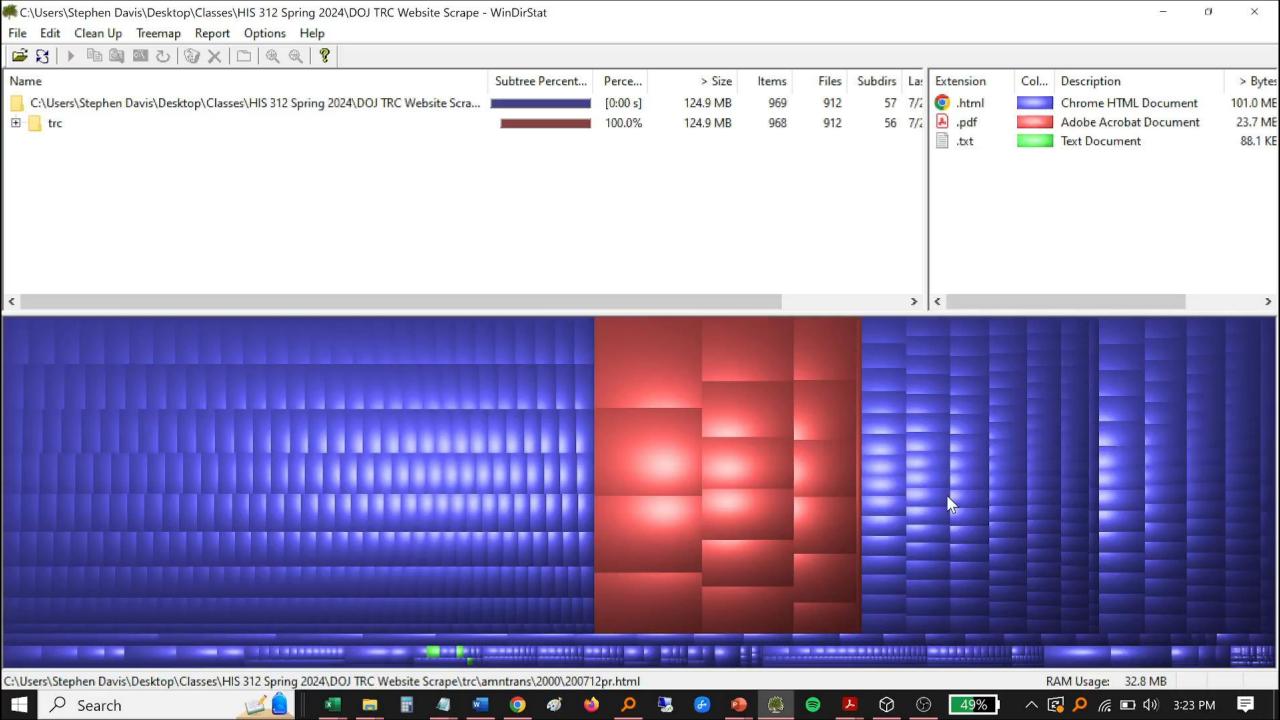




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C2	•	: ×	~	<i>fx</i> An MK operative, and three others, who were abducted by Eastern Transvaal Security Branch operatives from the Bhunya p All four were coerced into becoming askaris at Vlakplaas. Four Eastern Transvaal Security Branch operatives, including the d amnesty (AC/2000/105).						. ^
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1	Last 👻	First	*	Description	Place	+	Yr	HRV		
2	BHUYE			An MK operative, and three others, who were abducted by Eastern Transvaal Security Branch operatives from the Bhunya police st	Vlakplaas	i.	1984	abduc	t	
3	CELE	Bongi	nkosi	Was abducted from his home in December 1993 during ongoing conflict between ANC and IFP supporters in Umlazi, Durban. He ha	Durban		1993	abduc	t i	
4	CELE	Jeanet	te Ncun	An ANC supporter who was abducted from her home in Murchison, near Port Shepstone, Natal, on 11 August 1991, by ANC support	Murchiso	n	1991	abduc		
5	CRONJE	Alber	tus	Was a victim of an armed robberyby APLA operatives at the farm 'Panama', near Bloemfontein, during 1993. The victims were three	Bloemfor	ntein	1993	abduc	t	
6	CRONJE	Pierre		Was a victim of an armed robbery by APLA operatives at the farm 'Panama', near Bloemfontein, during 1993. The victims were three	Bloemfor	ntein	1993	abduc	£	
7	DAHILE	Henry	Barnaba	Was abducted by IFP supporters in Jabulani, Soweto, Johannesburg, on 20 March 1993. Mr Dahile was last seen accompanying a m	Jabulani		1994	abduc		
8	DHLAMINI	Aaron	Makho	Was abducted during a period of school boycotts and political conflict in Kroonstad, Orange Free State, on 14 March 1990, and has	Kroonsta	d	1990	abduc	:	
9	DLAMINI	Lindiv	ve	A UDF supporter who disappeared from Pietermaritzburg on 19 June 1987. She was allegedly abducted by a named member of the	Pieterma	ritzb	1987	abduc	t	
10	DLAMINI	Mbus	o	An ANC supporter who was abducted by unidentified persons in KwaMashu, Durban, on 31 May 1993, during political conflict in the	Durban		1993	abduc	t	
11	DUMA	Zepha	nia Hiqi	An ANC supporter who was abducted by IFP supporters in January 1991. He was later found dead with a broken neck and other wo	Howick		1991	abduc	t	
12	DUMA	Bonga	ni	An IFP supporter who was abducted by a group of IFP supporters at Gamalakhe, KwaZulu, near Port Shepstone, Natal, in 1991, alleg	Gamalak	he	1991	abduc		
13	GUMBI	Nkulu	leko Roc	Was abducted by unidentified persons and later decapitated in Umlazi, Durban, on 5 March 1992, allegedly because he refused to j	Durban		1992	abduc	t	
14	GWALA	Manq	ukela	An IFP supporter who was abducted by ANC supporters in Malukazi, KwaZulu, near Umlazi, Durban, on 5 June 1991, during political	Malukazi	8	1991	abduc	t i	
15	HINI	Nom	ulelo Re	Was abducted, raped and suffered severe mental torture by a named Black Local Authority (BLA) councillor and his colleagues durin	Uitenhag	e	1985	abduc	r	
16	JACOBS	Johan	nes	Was abducted by members of the SAP from his home in Meadowlands, Soweto, Johannesburg, in August 1963 because he alleged	Meadow	and:	1963	abduc	t.	
17	JAMES	(othe	details	An MK operative who was abducted with three others by Eastern Transvaal Security Branch operatives from the Bhunya police stat	Vlakplaas		1984	abduc	t	
18	KEIKELANE	Mpe.	onas	He disappeared in Soweto, Johannesburg, on 27 January 1986. He was allegedly abducted in a police van and has never been seen s	Johannes	burg	1986	abduc	t	
19	KGIBA	Samue	Lethol	Was abducted by members of the SAP in Kanana, Orkney, Transvaal, on 4 March 1986.	Kanana		1987	abduc	t	
20	KGOGOME	Docto	Nakale	Was abducted by ANC supporters and set alight after a brief kangaroo court trial in Munsieville, Krugersdorp, Transvaal, in April 198	Munsievi	lle	1987	abduc	t (	
21	KHESWA	Sbusis	o Blessi	An ANC supporter who was abducted by Inkatha supporters while waiting for a bus in Umzinto, Natal, in March 1990. He has not be	Umzinto		1990	abduc		
_	KHOWA	Zweli	ile	An ANC supporter who was abducted by IFP supporters while on his way to a bus stop in Port Shepstone, Natal, on 12 December 19	Port Sher	ostor	1990	abduc	t l	
1.1.1.1.1.1	KHUBEKA	ALC: NOT THE OWNER		An MK coordinator in KwaMashu, Durban who was abducted by Port Natal Security Branch and Vlakplaas operatives in May 1987 a			1987	abduc		-
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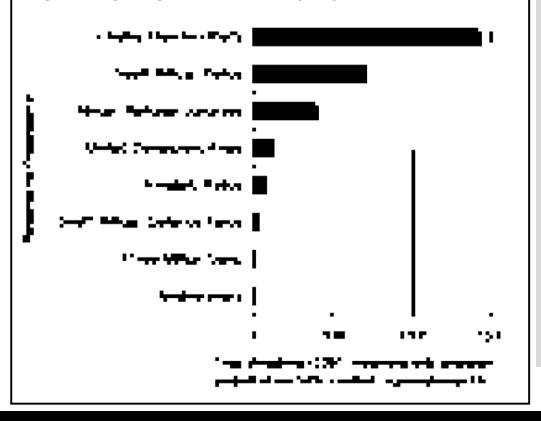
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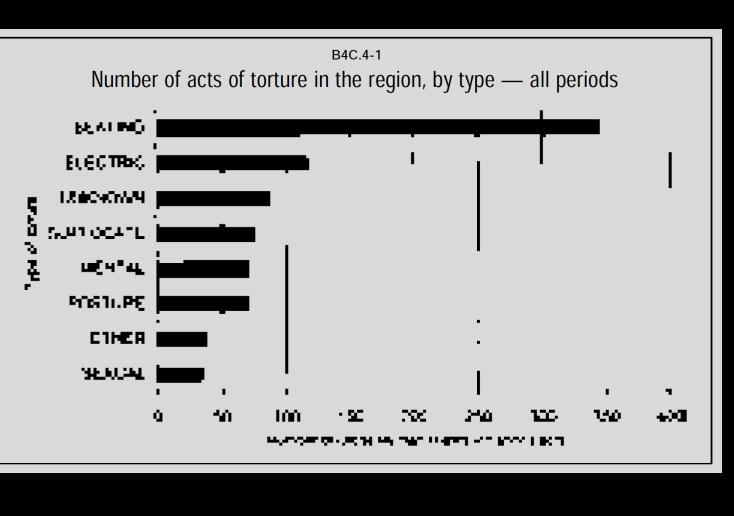
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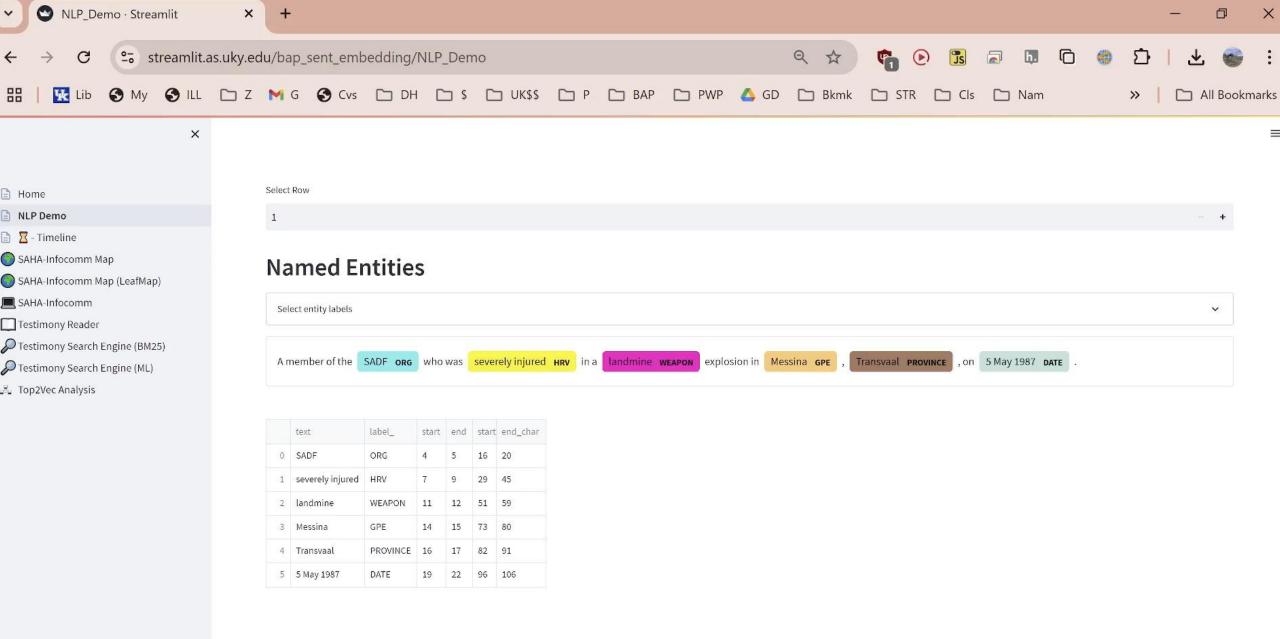
#### FIGURE E1b.4-4

Number of acts of severe ill treatment in the region, by organisation of perpetrator: 1983-89





SEVERE ILL TREATMENT	CODE	DEFINITION
Severely beaten	BEATING	Badly or severely beaten, or beaten for a long period. Victim may be hit, kicked, punched, twisted, specifying part of the body (for example, feet, face, head, genitals, breasts), or object used (for example, sjambok, baton, gun/rifle, stick, rope, whip, plank, wall), specifying if the victim is pregnant.
Injured by burning	BURNING	Injured by burning with fire, petrol, chemical, scalding, but not necklacing or petrol bomb (See below), specifying body part if burning is localised.
Injured by poison, drugs or chemicals	CHEMICALS	Poisoned or injured by poison, drugs, household substance (for example, bleach or drain cleaner).
Injured in an explosion	EXPLOSION	Injured by a bomb or explosives, but not petrol bomb. Explosives include dynamite, landmine, limpet mine, car bomb, hand grenade, plastic explosives, detonator, booby-trap, letter bomb, parcel bomb, special device



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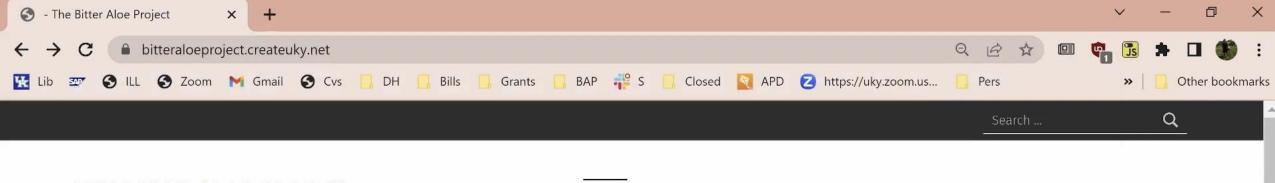
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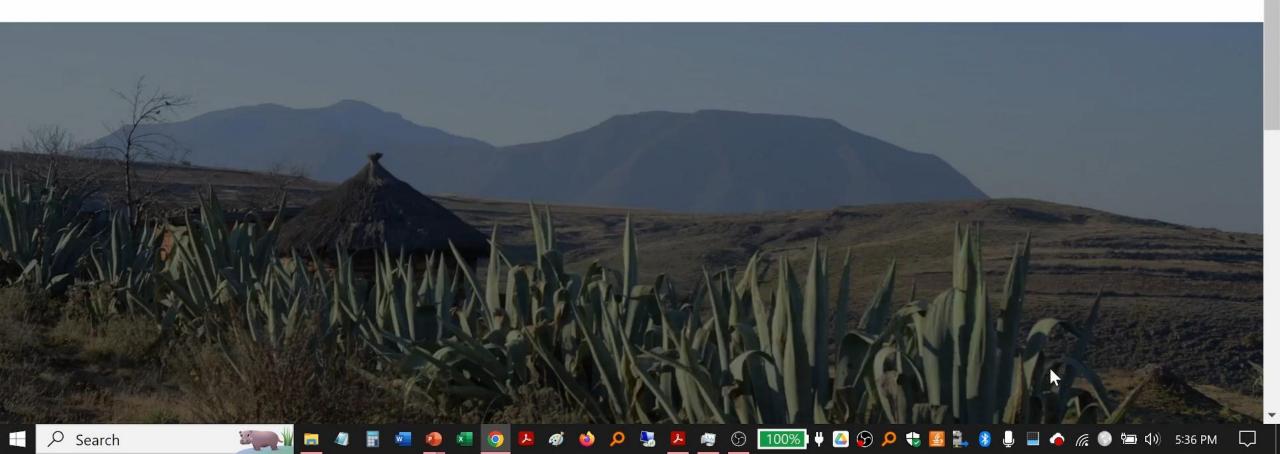
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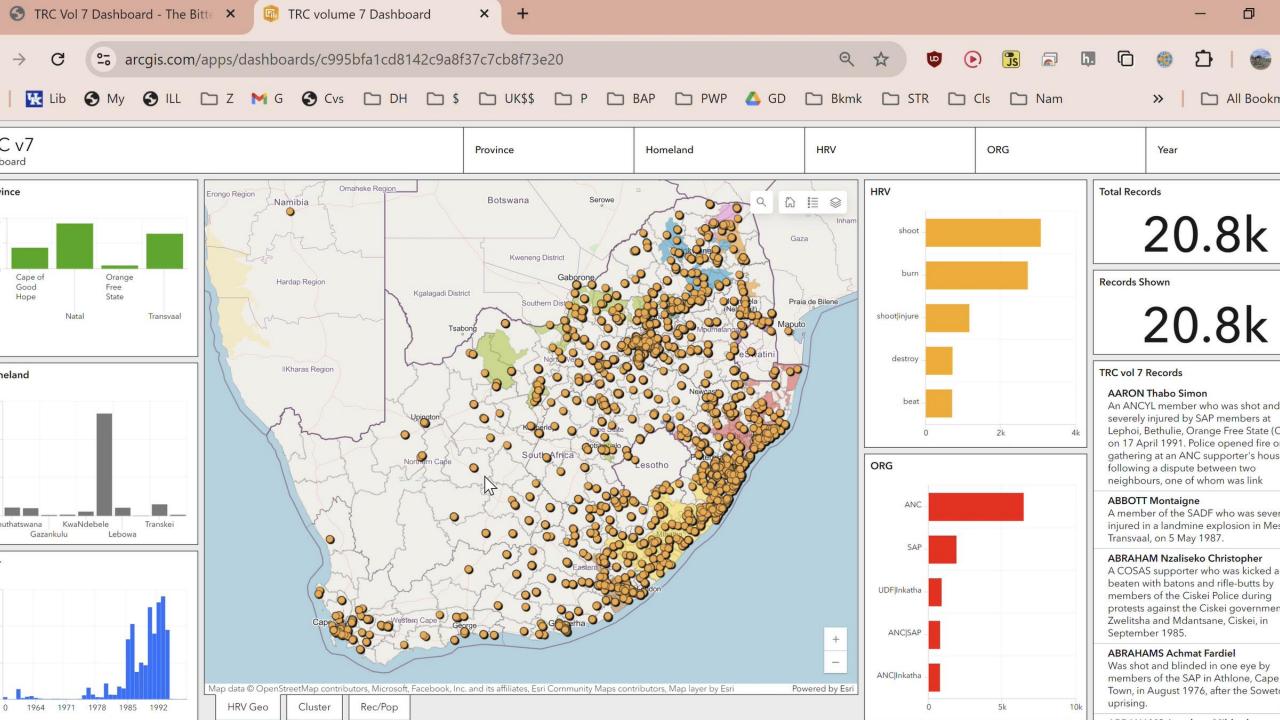


### THE BITTER ALOE PROJECT

MACHINE LEARNING APPLIED TO SOUTH AFRICA'S TRUTH AND RECONCILIATION COMMISSION ARCHIVE

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## Semantic Fields

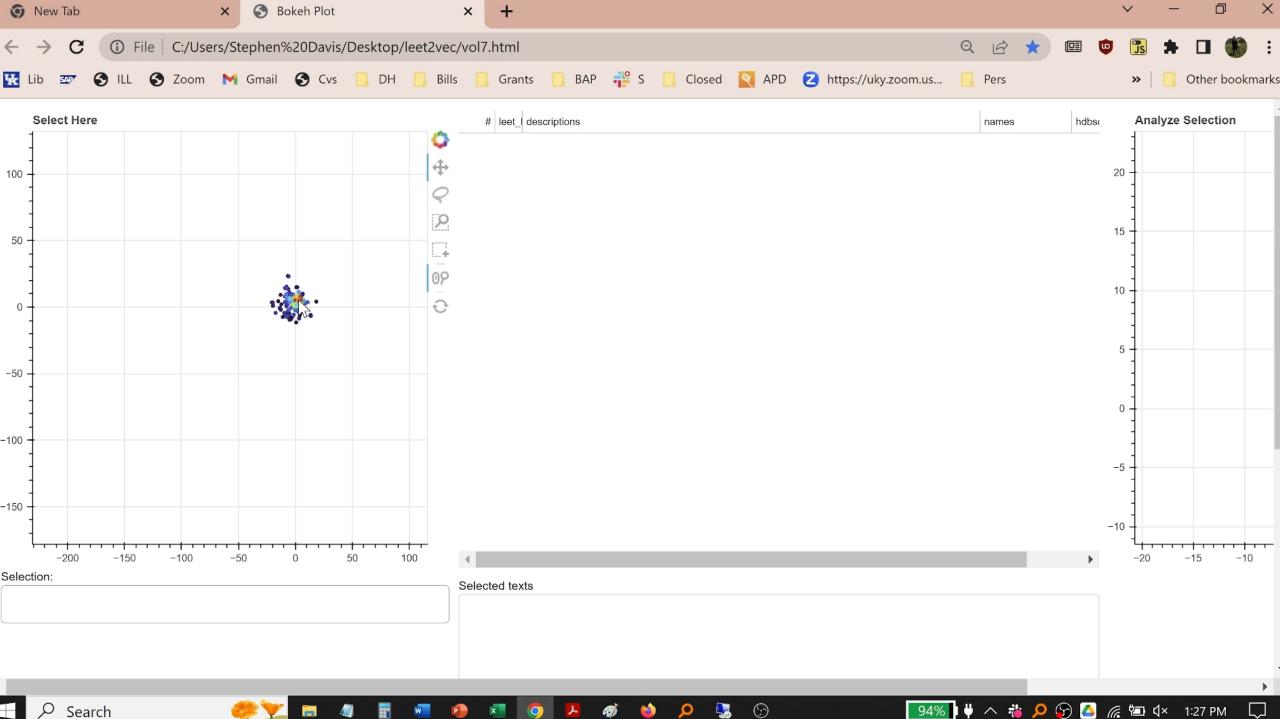
desire for a proper burial

disappearance into vehicle

I don't know where they took him. The police came and put him in a van and drove away. That was the last time I saw him. I would like to meet whoever killed my son. I want to know what happened to him. I would like to find his body and give him a proper burial.

death and missing body

desire to meet unknown perpetrator



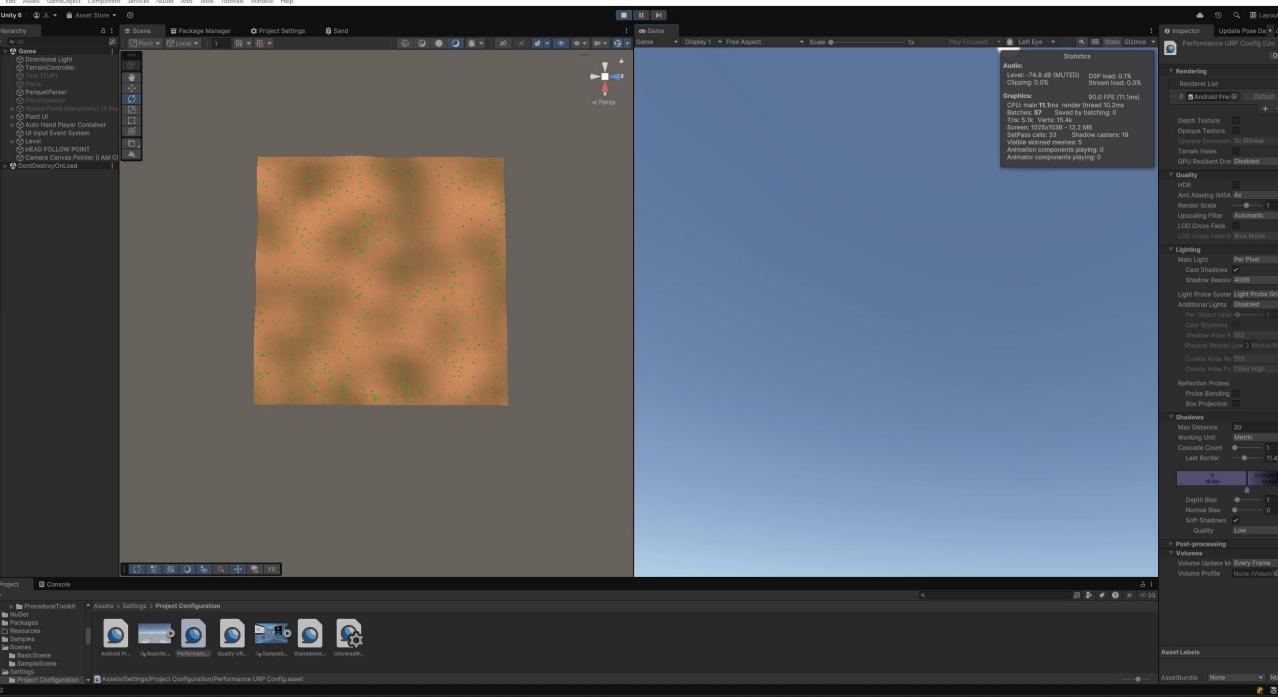
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### The Bitter Aloe Project



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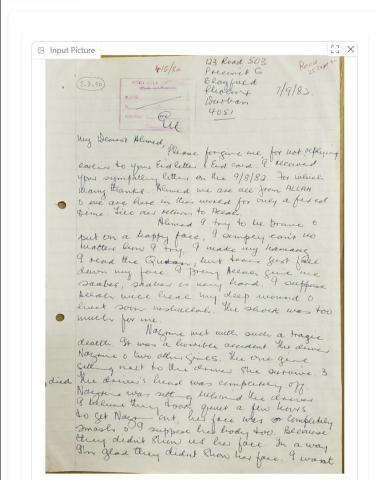
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### Caracal Open HTR and NER

#### Image Input



thanks. Ahmed we are all from Allah & we are here in this world f or only a fixed time. Live and let live to Allah.

Ahmed, I try to be brave & put on a happy face, I temper can't no matter how I try, I make my name cry. I read the Quran, but tears just fall down my face. I pray Heaven give me Saabes, Saabes is very hard. I suppose death nice leave my deep wound & hurt so m mishallah. The shock was too much for me.

Nazmine met with such a tragic death. It was a horrible accident. The driver Nazmine & two other girls. She once gone sitting next to the driver. She survive. 3 died. The driver's head was complet ely off. Nazmine was sitting behind the driver. I believe they took quite a few hours to get Nazmine out, her face was so completely smashed & I suppose her body too. Because they didn't show us her face. In a way I'm glad they didn't show her face. I want