

Object Learning: A Journey Towards Active Learning

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Royal College of Art

Part 3

Object Learning:

Meaning, Data Visualisation and
Active Learning

Stop means Stop

Apple means Apple

Crown means Crown

Stop means Stop
Apple means Apple
Crown means Crown

Stop means Danger
Apple means Healthy
Crown means King

The shift from positing the site of meaning *within a text* to identifying it with the *act of reading* as a process of negotiation.

Johanna Drucker, *Visualization and Interpretation: Humanistic Approaches to Display*, 2020, p 44.

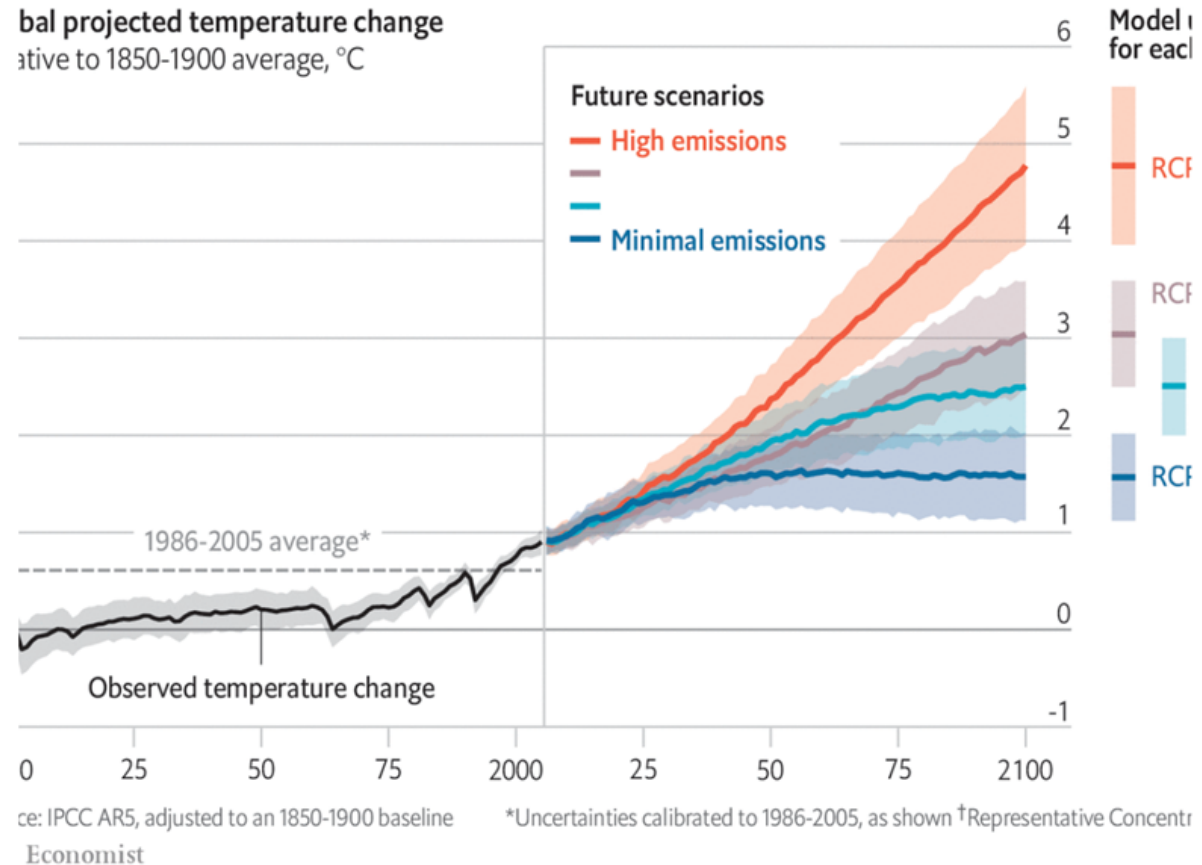
Stop means Stop
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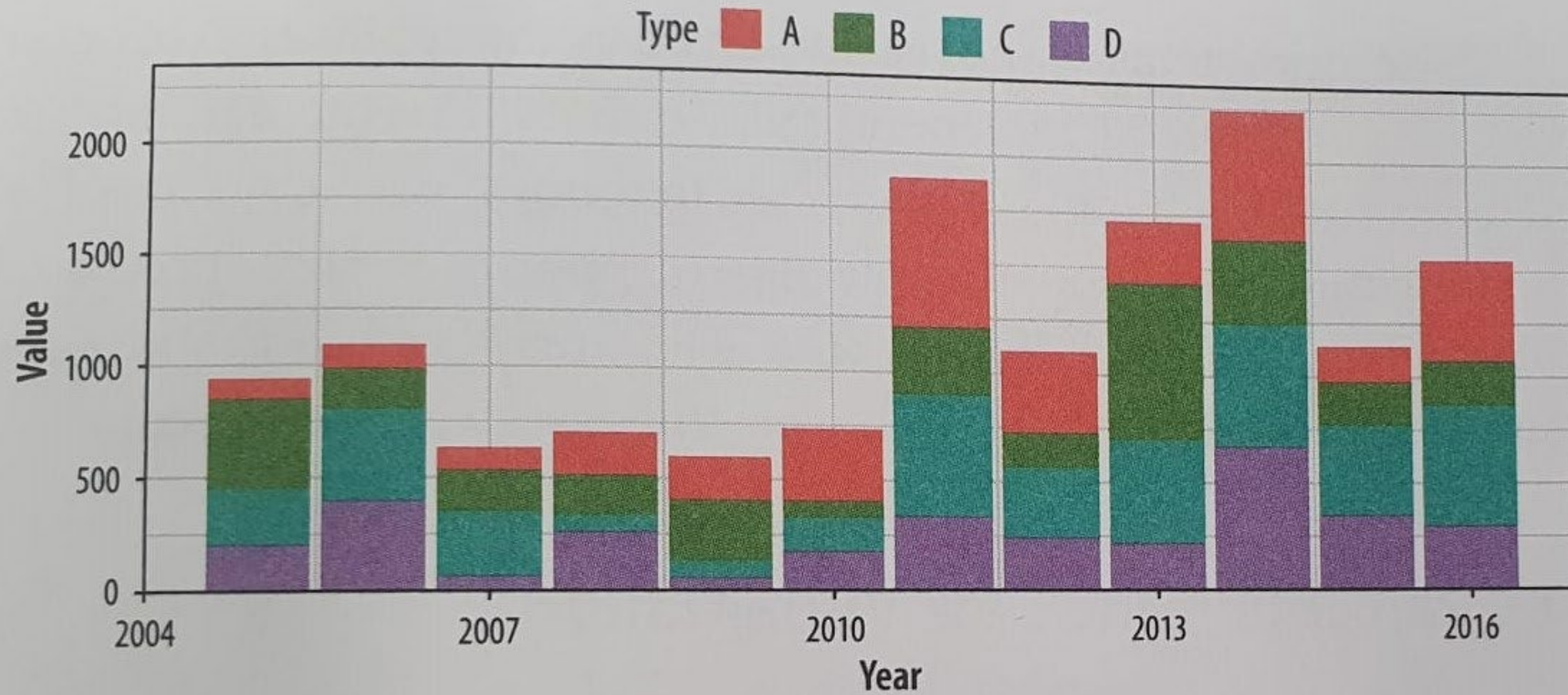
Stop means Danger
Apple means Healthy
Crown means King

Ways of Thinking: Models

- We live in a world dominated by statistical models: COVID 19 fatalities, macro economic trends, or projected temperature change.
- Big data and artificial intelligence algorithms will make this way of thinking even more powerful into the future.

Climate models can guide policy even if they are not precise





Kieran Healy, *Data Visualization: A Practical Guide*, 2019, P13

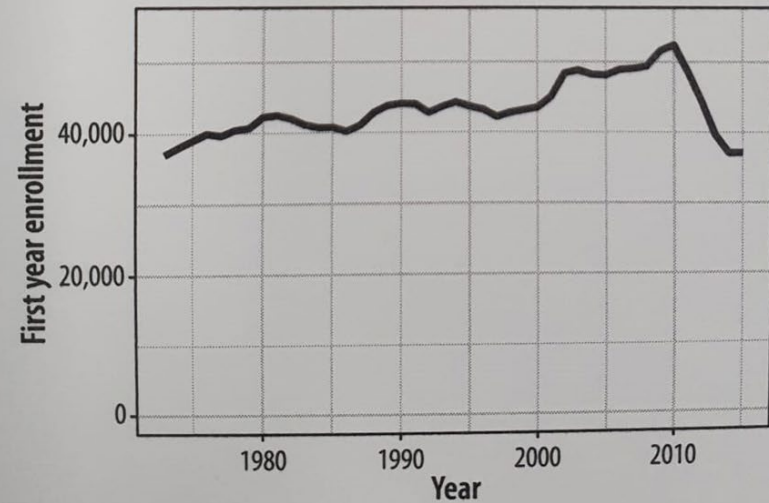
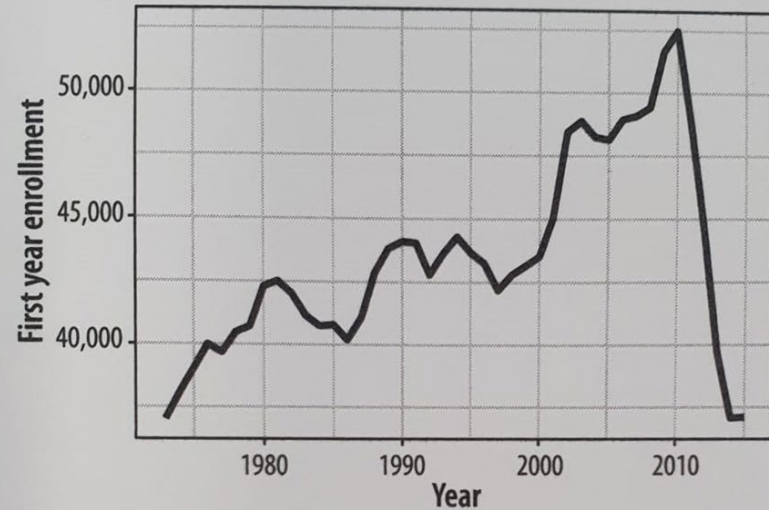


Figure 1.27: Two views of the rapid decline in law school enrollments in the mid-2010s.

Kieran Healy, *Data Visualization: A Practical Guide*, 2019, p29

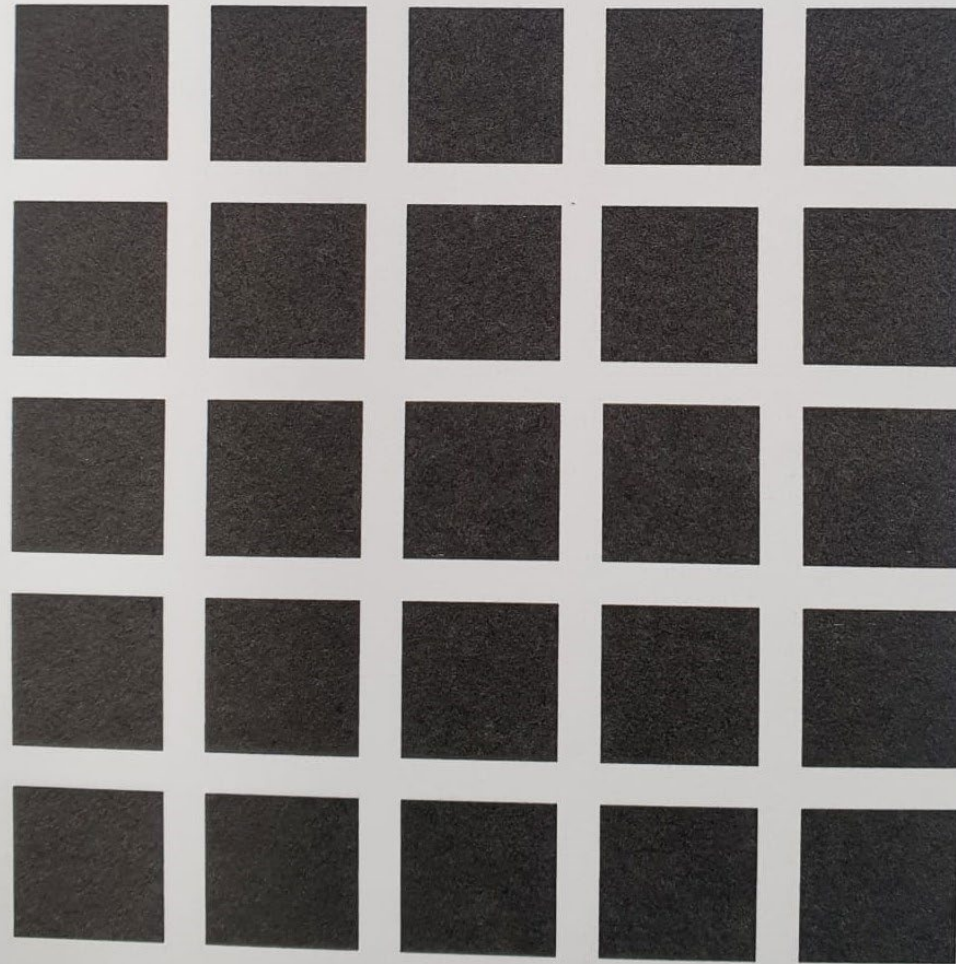


Figure 1.13: Hermann grid effect.

Images are not self-evident. We learn to interpret them through learned approaches to encoded expressions that provoke a response for cognitive processing. In other words, reading images is an acquired skill embedded in cultural and historical circumstances.

Johanna Drucker, *Visualization and Interpretation: Humanistic Approaches to Display*, 2020.

Film-Making - Meaning and Truth Making

Documentary Film Conventions

PtC - Talking Heads, Observational Documentary
camera style (long lense), Voice-Over, Text Cards.

Drama Film Conventions

Fullness of Frame - Symbolic meaning in every frame
complete design, truth claims, suspension of disbelief
Film exploiting the apparent compression of "Time and
Space"

★ ★ ★ "SERVING GOD
AND COUNTRY PROUDLY" ★ ★ ★









Augmented

Reality (AR) is an enhanced version of the real physical world where digital visual elements, sound, or other sensory stimuli are superimposed onto the screen of the camera phone or tablet feed. AR Core and AR Kit – to play on Apple and Android platforms using WebAR so no APP downloading



Mixed Reality (XR)

allows users to explore a transforming landscape and provides the foundation for chaptered VR & XR experiences where the users will zoom into a part of the map, explore different elements of the history and portal to maps of different parts of the world. Using Magic Leap 1 or Oculus Quest headsets for viewing of experience.





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RAILWAY FROM OCEAN TO OCEAN



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♡ 1



"A TOUR DE FORCE"—Elizabeth A. Fenn

CLEARING THE PLAINS

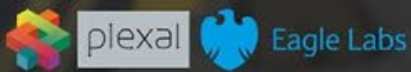
DISEASE, POLITICS OF STARVATION, AND THE LOSS OF ABORIGINAL LIFE

JAMES DASCHUK

The Martha Street Experience



BFI LONDON
FILM FESTIVAL
OFFICIAL SELECTION 2020



Directed by
Peter Collis

A 360 3D Film
HyperActive
Developments

Produced by
Atif Ghani



Supported using public funding by
**ARTS COUNCIL
ENGLAND**



CRATE DIGGING VR

DE UNDERGROUND

DANCE MUSIC SPECIALIST

10.09.2022

FOREST GATE'S ICONIC DE UNDERGROUND RECORDS
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FESTIVAL

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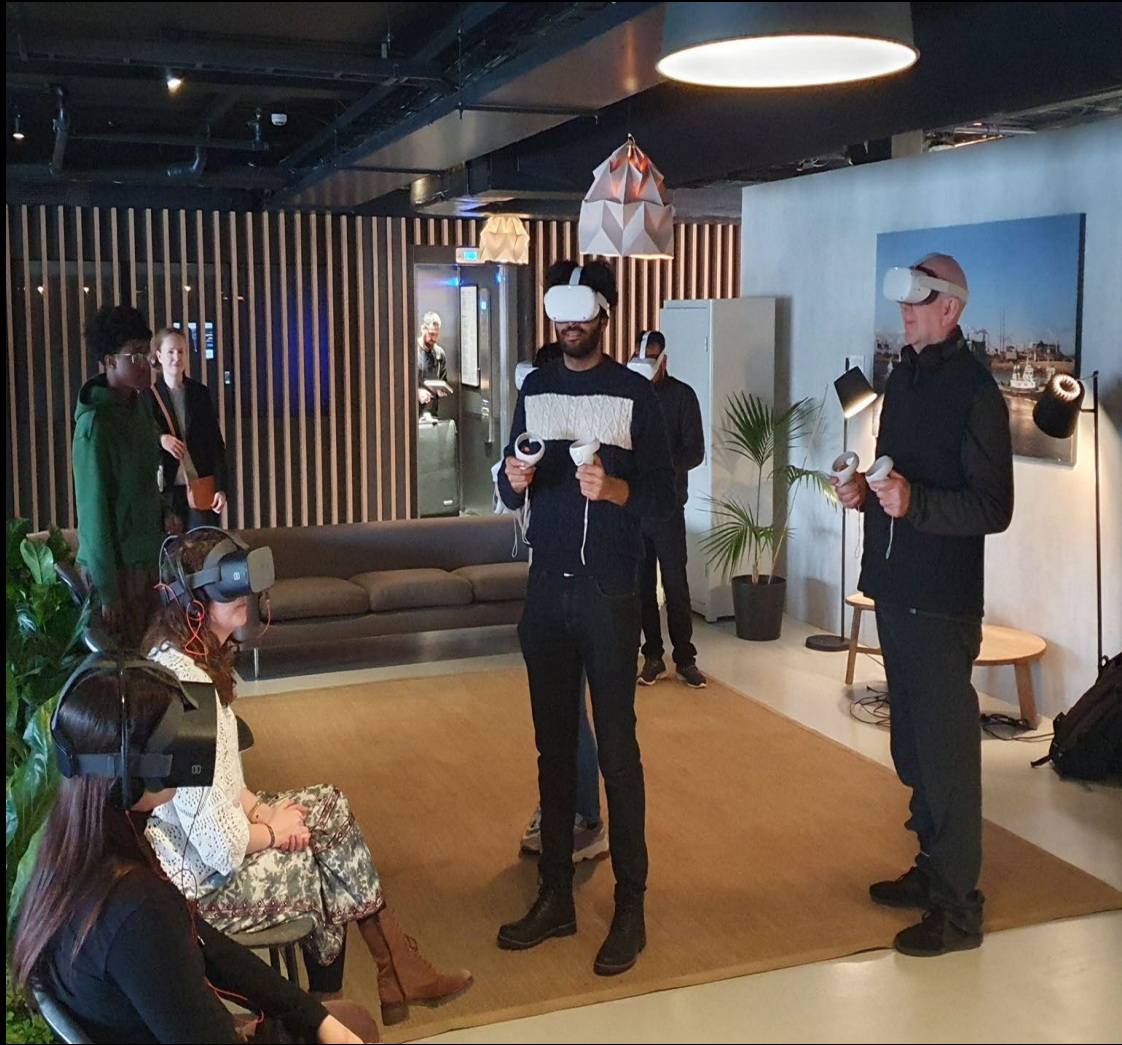
CRATE DIGGING THE STORY OF DEUNDERGROUND RECORDS

Peter Collis
UK, 2023, 13:00

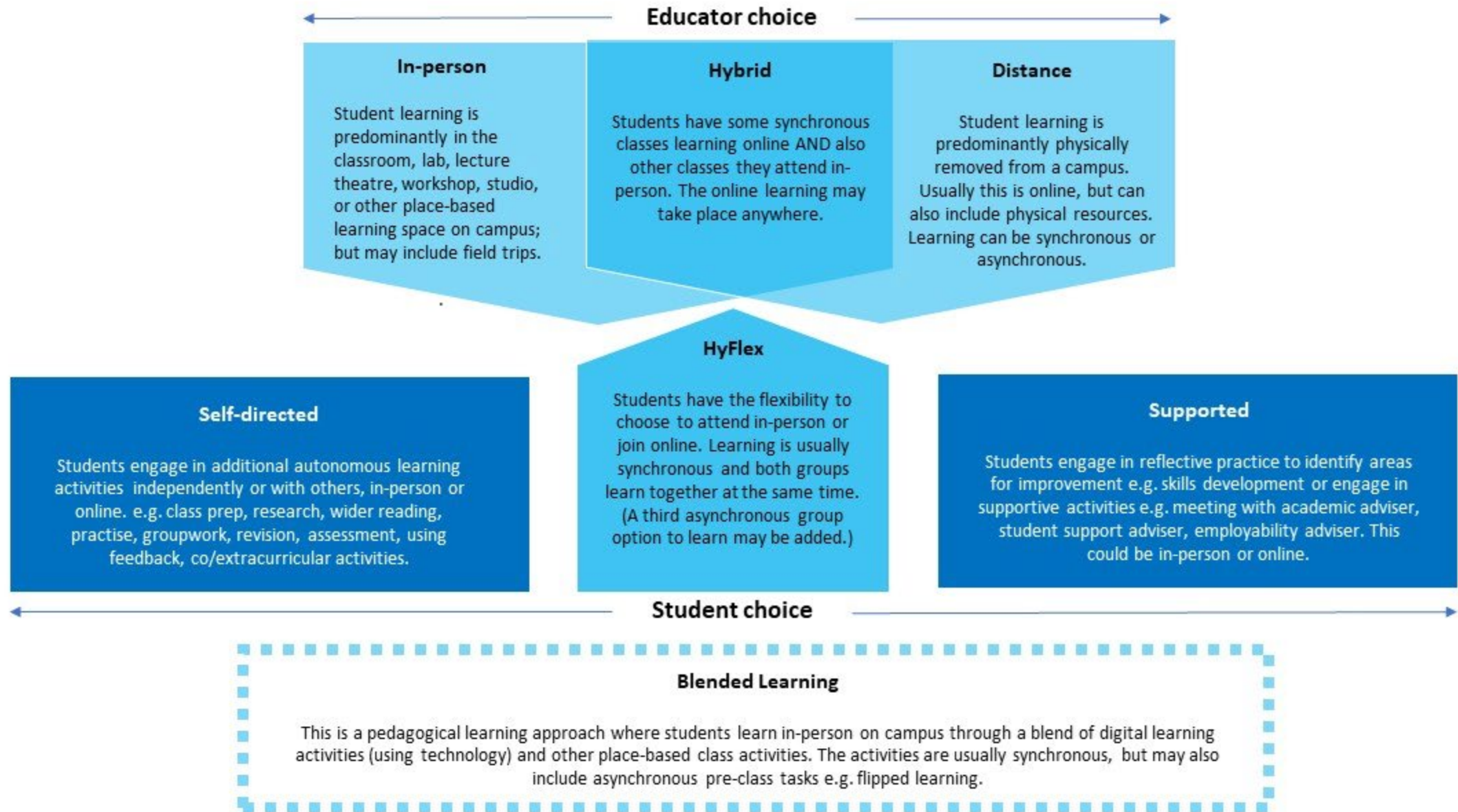
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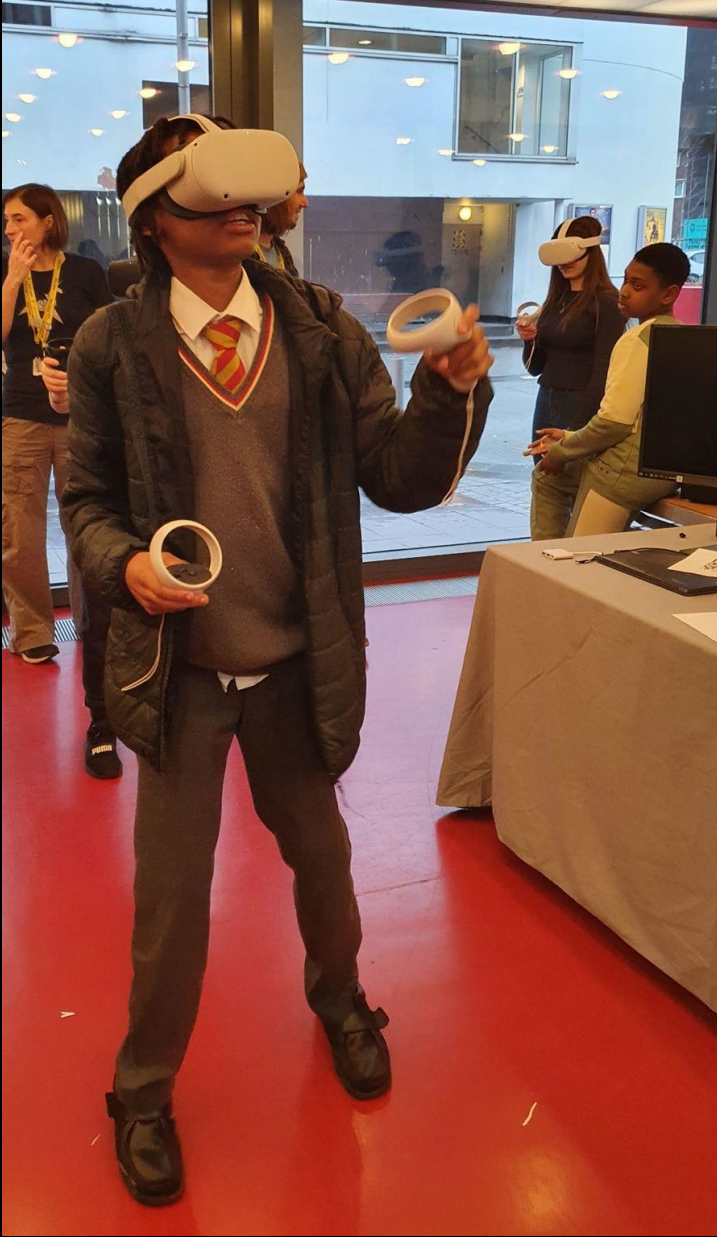
De Underground Records was both a recording studio and a record shop. It operated from 1991 until 1996. It was the birthplace of Drum & Bass. Experience the store's very first moments here.

Program notes from Aesthetica Festival 2023



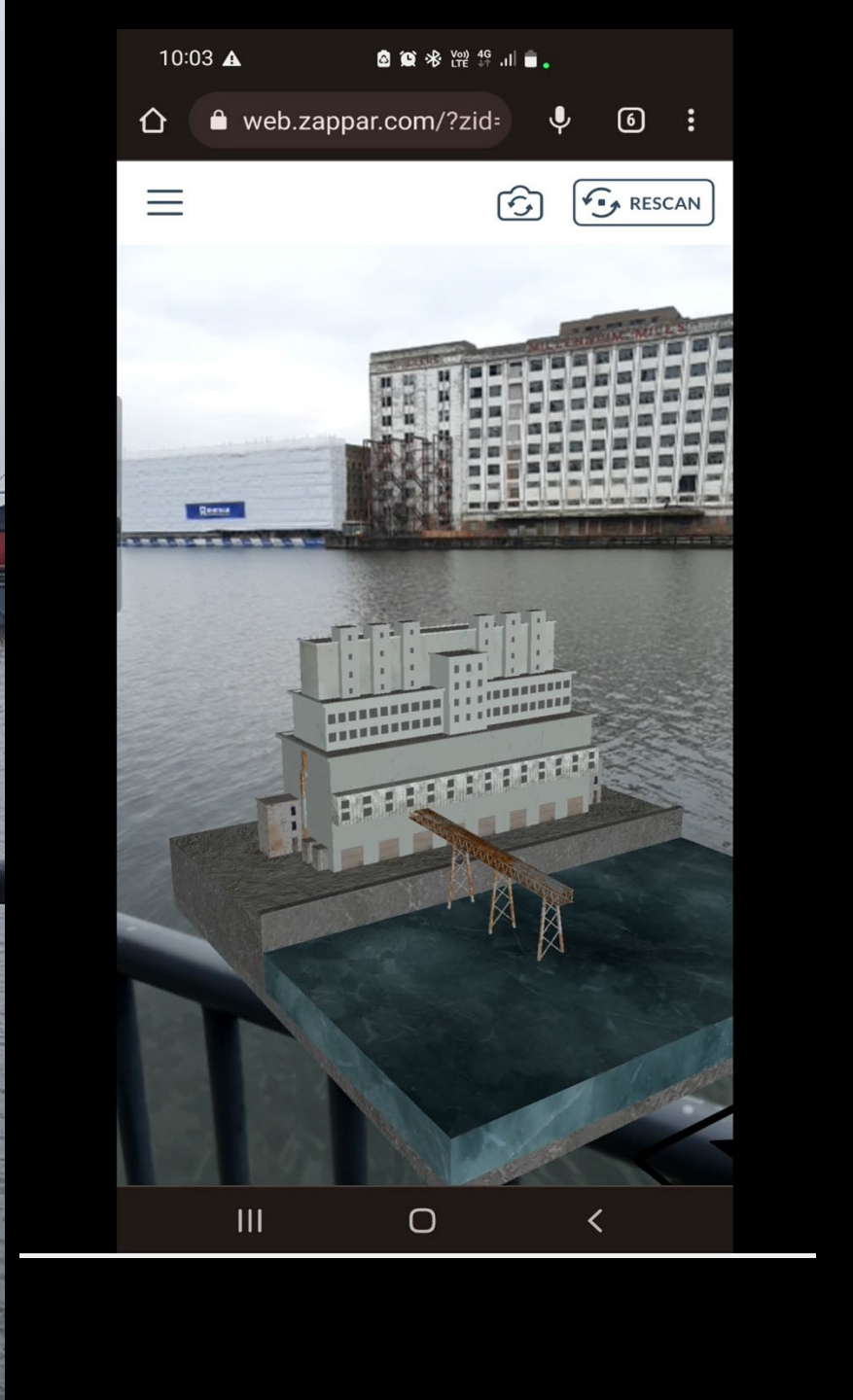
Modes of learning in higher education









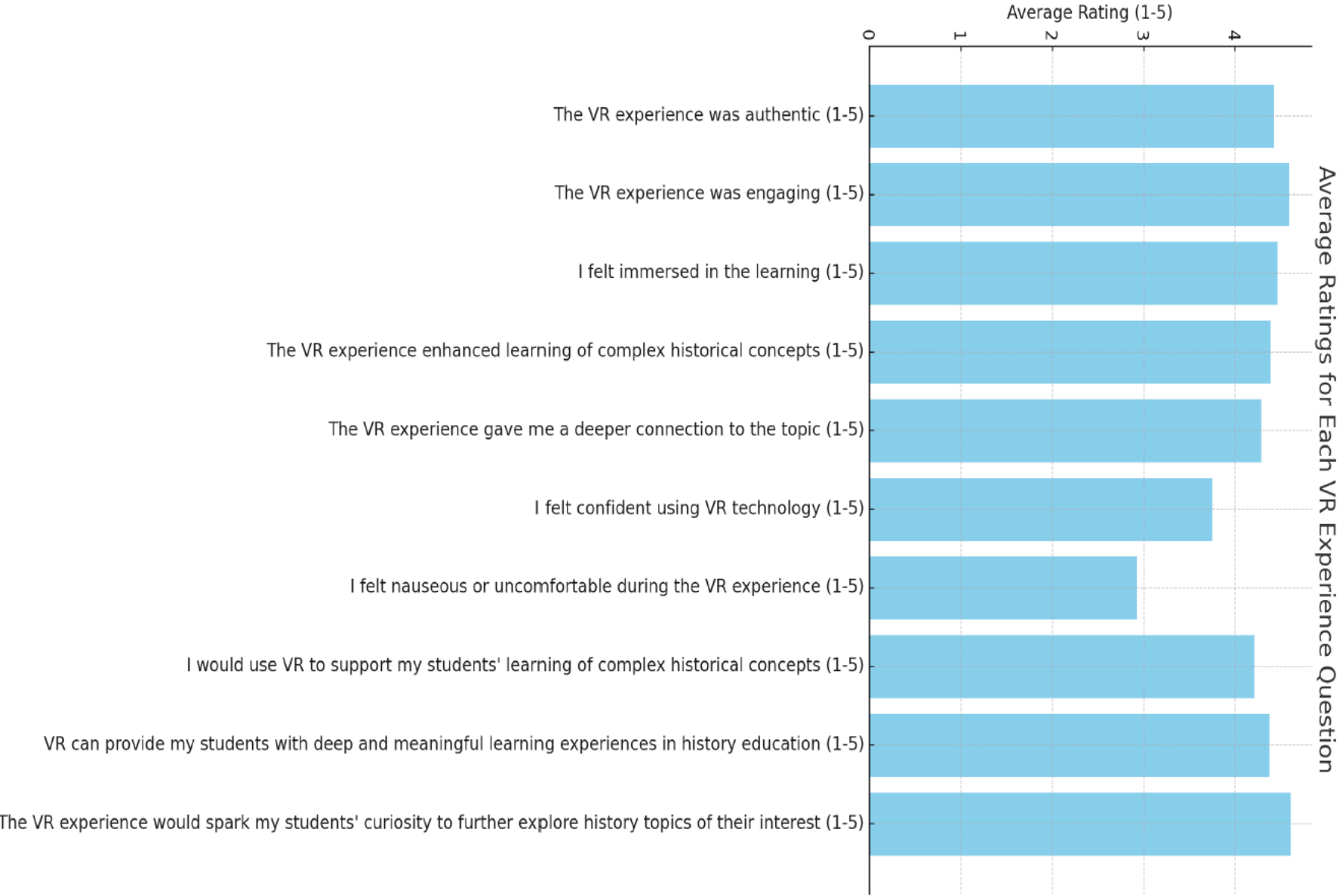




Data Reflection: The Use of Virtual Reality in Historical Education

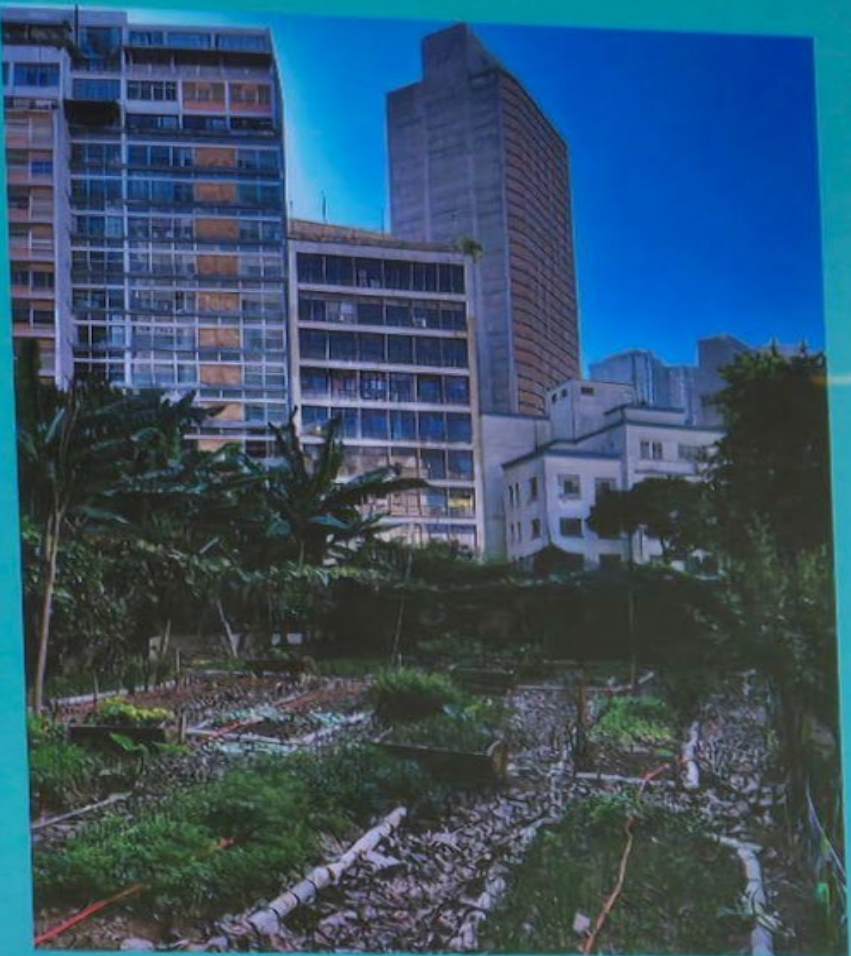
In a recent survey (March 2024) conducted with 70 participants (Environmental History undergraduate students at the University of Saskatchewan) using the Millennium Mills digital gallery in VR as part of classroom learning, reveals a predominantly positive reception Virtual Reality, and highlighting its capacity to transform traditional learning paradigms by offering immersive, engaging, and interactive experiences.

Quantitative Insights



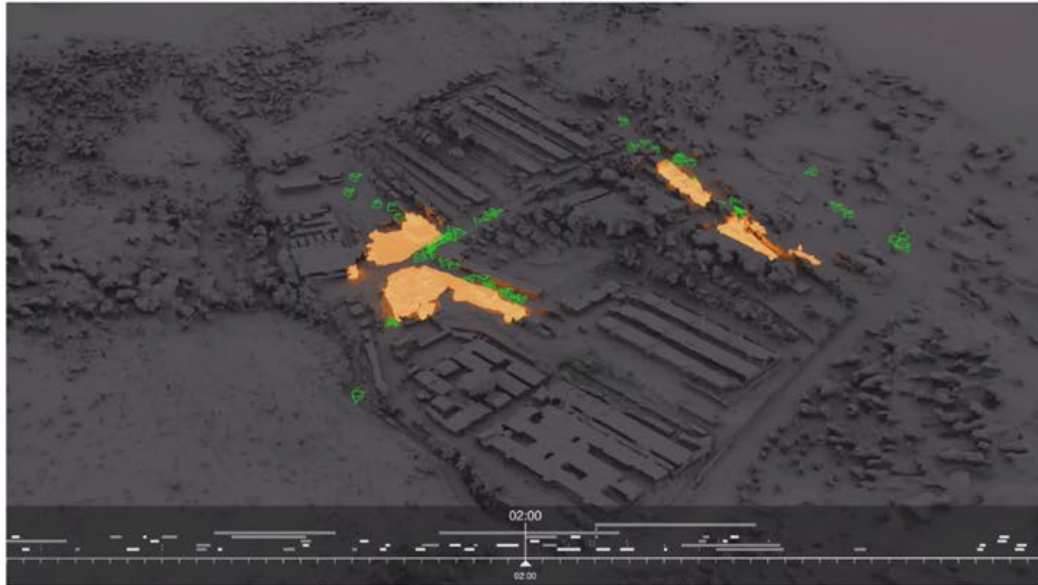
Qualitative Insights

- Engaging and Fun
- Immersive Learning Experience
- Enhanced Understanding and Memorability
- Innovative Educational Tool



MSTC, Occupation 9 of July. Re-purposing of former empty building with social housing and urban agriculture by the housing movement MSTC in downtown São Paulo.

1.91 FIRE IN MORIA REFUGEE CAMP

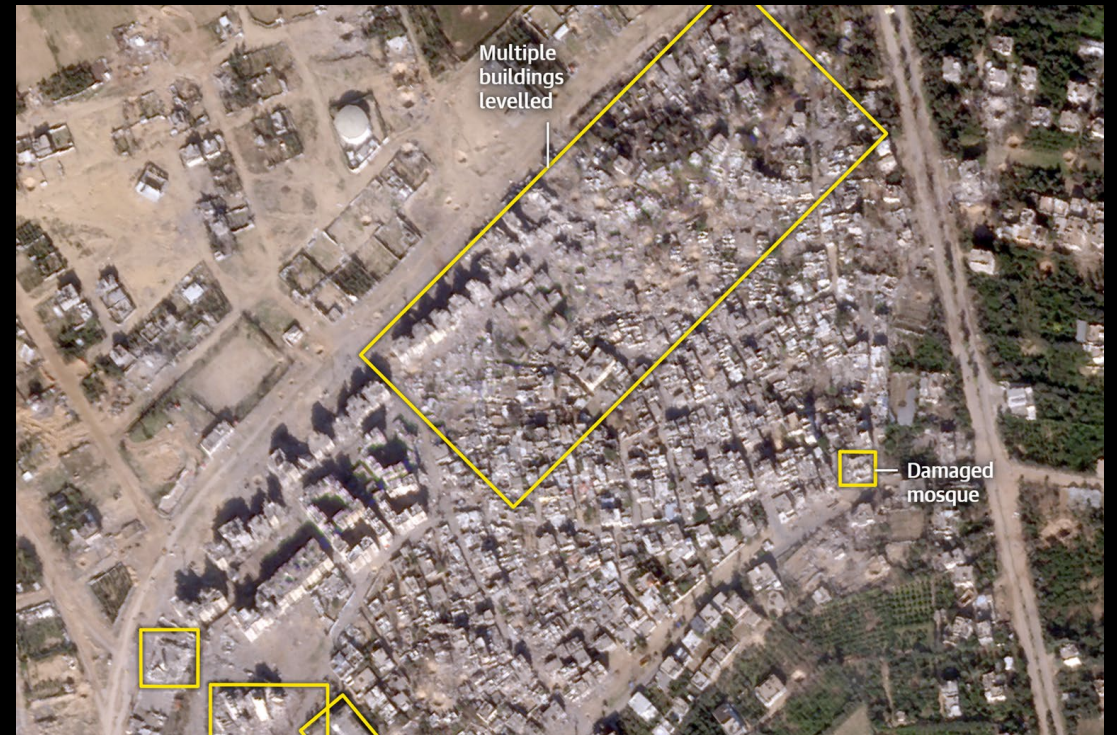


DATE OF INCIDENT 08.09.2020	LOCATION Lesvos, Greece	FORUMS Legal Process, Exhibition, Media
COMMISSIONED BY Lawyers for the Moria 6	The fire which destroyed the Moria refugee camp on the Greek island of Lesvos was at least the 247th outbreak to have occurred in and around the overcrowded camp since 2013. Six young asylum seekers who came to be known as the 'Moria 6' were accused of arson and jailed. FA and Forensis reconstructed the fire's spread, casting significant doubt on the basis for those convictions.	

1.90 THE BEIRUT PORT EXPLOSION: DESTRUCTION OF DESTRUCTION



DATE OF INCIDENT 04.08.2020 - Ongoing	LOCATION Beirut, Lebanon	FORUMS None
IN PARTNERSHIP WITH Febrayer Network	Following the 2020 Beirut port explosion, the city's grain silos suffered a prolonged period of steady ruination. To understand how the gradual destruction of a ruin happened behind state cordons in the nearly two-year period since the blast, Febrayer and FA reconstructed the site to present a unified account of the state's mismanagement of this important site of material evidence and memory.	



How war destroyed Gaza's neighbourhoods – visual investigation | Gaza | The Guardian

Decolonisation of knowledge is a strategic move and requires breaking the singularity of point of view often enacted by hegemonic discourse.

Johanna Drucker, *Visualization and Interpretation: Humanistic Approaches to Display*, 2020, p44.

Object Learning: A Journey Towards Active Learning

In this series of lectures, we have tried to journey from the process of “truth” and meaning to enable a collective sharing or “Active Learning”.

In the 1st lecture we explored how linear narrative cinema was able to create very certain and clear understandings of the signs and symbols seen in the film. Through a close reading of the Hollywood film - THE DEER HUNTER – I revealed this mode of “Meaning-Making” understandings are designed and delivered through conscious and subconscious assignments, associations and descriptions through the use of selected signs and symbols.

In the 2nd lecture, I explored my work in immersive technologies and how they enable a multiplicity of perspective – which can at times be contradictory, in conflict with each other, as well as revealing the what may be of benefit for one group of people might be of disadvantage

Summary of Key Take-Aways - -What is Object Learning and how can you implement this as part of your own T+L

What's Are Possible Next Steps

Thank You.

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