

Visuel memory and color perception

—> création d'un système de jeu sur les couleurs, les personnes devaient répondre à un questionnaire après avoir joué à un jeu qui utilise la mémoire

Voici les instructions pour le questionnaire:

Concentration and Memory (Mémoire et concentration)

This questionnaire is carried out as part of a project of the "Data sciences, arts and cultures" training at PSL University.

We'll start by asking you a few questions about yourself. We will then offer you a game. In this game, a grid with colored boxes is displayed for a few seconds, and you must memorize it. Then you must find the correct location of each color on the grid by "drag and drop" or drag and drop using the mouse.

Completing this questionnaire requires 10 minutes. No response is obligatory. Your responses are anonymous and you can choose to stop the questionnaire at any time.

The questionnaire is translated into French in italics.

Résumé de ce projet: Design of an interactive experimental questionnaire within the Data Science, Arts and Cultures program (PSL). Behavioral data collection via color pattern memorization game , statistical analysis of anonymous responses, and result visualization.

A project on visual memory and colour perception led me to design an interactive experimental game in which participants briefly observed a colour grid before reconstructing it. The combination of a structured protocol, behavioural data collection, and post-task questionnaires allowed me to analyse how attention, recall, and decision-making unfold in a constrained environment. This project mobilised my ability to design an experience, observe how individuals respond to it, and transform these observations into statistical and conceptual insights. It gave me a deeper understanding of how behaviour can be shaped, measured, and interpreted—an approach I now wish to apply within a professional context.

Compétences comportementales : compréhension de l'attention, perception, mémoire, stratégies cognitives.

Compétences méthodologiques : design expérimental, rigueur protocolaire, collecte de données comportementales, questionnaires, structuration analytique.

Compétences data et analyse : traitement de réponses, analyse statistique, interprétation de patterns, visualisation.

Compétences "luxury-relevant" : conception d'expérience sensorielle, observation des réactions utilisateurs, compréhension des dynamiques attentionnelles, capacité à traduire des données humaines en insight.

Visual novel on the life of Marie-Antoinette - interdisciplinary project

—> create an interactive narrative game based on historical events, combining documentary accuracy with fictional choices. Development of branching scenario, integration of multiple choices and alternative outcomes, coding of the narrative logic in renpy. I did historical research, design of choices and scenarios, implementation of branching navigation system. (Mettre le projet)

Developing a visual novel on Marie-Antoinette taught me to work at the intersection of research, narrative design, and digital implementation. Writing historical segments and fictional alternatives required structuring parallel storylines, anticipating user trajectories, and maintaining coherence between choices. Learning to code in Ren'Py gave me an appreciation for the logic behind interactive systems—how pathways are built, how constraints shape choices, and how design decisions influence engagement. Integrating visuals, sound, and stylistic elements of the late eighteenth century further deepened my awareness of how form and atmosphere shape interpretation. The project allowed me to understand narrative not only as content but as a user-driven experience."

L'ombre du Zaman- virtual exhibition

—> design a diachronic virtual exhibition on the theme of time using museum collections from a single city. Selection of diverse works (archaeology, photography, cinema, horology), design of a scenographic pathway with two thematic rooms, creation of an immersive video accompanied by a slideshow. (I have the pdf and I will put them on my personal siteweb)

Add that we wrote an article about it and it will be published, we can find our exposition in the observatoire d'humanités numériques: <https://odhn.ens.psl.eu/newsroom/invitation-aux-voyages-numeriques>

Co-conception d'une exposition virtuelle d'histoire de l'art consacrée au rapport entre art et temporalité. Rédaction des textes curatoriaux, des cartels et de la médiation pour tout public. Conception de la structure narrative : salle chronologique (temps historique) et salle thématique (temps comme matériau artistique). Analyse esthétique d'œuvres allant de l'archéologie iranienne à l'art contemporain. Participation à la scénographie, à l'harmonisation éditoriale et au choix des œuvres.

Working on a virtual exhibition project taught me to think in terms of narrative coherence, audience experience, and cultural interpretation. I learned to articulate historical and aesthetic material into a structured journey that could speak to different publics, while collaborating within a team to shape an immersive environment. This experience strengthened my ability to analyse symbolic forms, organise complex content, and translate conceptual ideas into accessible, meaningful formats.

In developing a virtual exhibition, I learned to work with materials that required both conceptual precision and narrative clarity: selecting works, defining a perspective, creating a coherent sequence, and ensuring that the experience made sense from the visitor's point of view. The project made me attentive to how people move through ideas, how they perceive meaning, and how an environment shapes interpretation. I discovered how to translate complex cultural questions into an accessible experience, and how collaborative thinking refines intellectual intention.

The exhibition challenged me to think simultaneously about content, form, and audience. It revealed how meaning depends on structure, how reception depends on context, and how narrative choices shape interpretation. It was a space where analysis and creation had to meet. This intersection is one I now wish to explore within a professional context.

Predictive analysis on romantic love themes in films

—> develop a predictive model to determine whether a film's plot involves themes such as marriage and cheating based on its descriptive text. Used neural networks and other predictive analysis technique to analyse film descriptions and predict key themes (je pourrais mettre une version pdf du ipynb)

Working on a predictive model for romantic love themes in films allowed me to explore how narrative structures can be treated as both cultural objects and data. By training neural networks on plot descriptions to identify themes such as marriage and cheating, I learned to connect textual nuances with statistical patterns, and to reflect on what is gained and lost when intimate, emotional motifs are translated into modelled categories. This experience reinforced my interest in using AI not only to predict outcomes, but to understand how stories encode values, expectations, and forms of desire.

Linguistique

Description du projet: Ce projet explore la manière dont les individus qui parlent des dialectes, tels que le dialecte algérien, marocain ou tunisien, ajustent leurs comportements linguistiques selon leur contexte de vie. À partir de données collectées auprès de 133 jeunes adultes provenant de divers pays (principalement

de l'Algérie et de la France), ce travail vise à analyser les relations entre l'usage des dialectes et les perceptions sociales, notamment les préjugés et stéréotypes relatifs à la langue. En croisant ces informations avec des données concernant la nationalité et le pays de résidence des participants, cette étude cherche à comprendre si ces facteurs influencent la fréquence et les contextes d'utilisation des dialectes, et dans quelle mesure ils sont liés à des perceptions de discrimination ou de rejet.

Using a dataset of 133 multilingual participants, I analysed how the use of Algerian, Moroccan and Tunisian dialects changes according to social context, national background and place of residence. The project involved designing a detailed survey, identifying relevant behavioural variables, and interpreting how linguistic practices reflect perceptions of discrimination, cultural identity, and social expectations. It required working at the intersection of quantitative modelling and qualitative interpretation, recognising patterns in language choice while understanding the emotional and symbolic dimensions attached to them. This experience deepened my interest in how social meaning is constructed, how identity is negotiated, and how individual behaviour reveals broader cultural structures.

<https://github.com/Safia1602/2024-projet-final-LAMRI-Safia>

Système numérique

Création d'un système numérique imaginaire à l'issu d'un cours bookclub qui était basé sur l'étude de livre et d'articles sur les systèmes numériques et l'invention es nombres etc.

« *Le Système des Quatre Couleurs est utilisé par un peuple fictif, les Azerqaq, une civilisation méditative vivant en harmonie avec les cycles naturels. Cette société considère les nombres comme des entités sensorielles et émotionnelles, incarnant les flux naturels et temporels qui régissent l'univers. Les Azerqaq sont des philosophes, des thérapeutes, des artistes et des historiens du temps. Ils ne voient pas les nombres comme de simples abstractions, mais comme des manifestations vibrantes des émotions et des cycles. Leurs méthodes ont été transmises à travers une série de manuscrits illustrés et d'ouvrages philosophiques, rédigés au fil des générations. Ces écrits décrivent avec précision les usages du système, ses fondements symboliques, ainsi que les pratiques méditatives et rituelles qui l'accompagnent. Ces livres sont devenus les textes de référence dans les écoles spirituelles des Azerqaq»*

Designing the 'Four-Colour System' pushed me to combine mathematical structure, cultural imagination and symbolic interpretation. I constructed a positional base-4 notation where each digit corresponded to a colour, itself linked to emotional and seasonal cycles. Beyond inventing the arithmetic rules, I had to imagine the anthropological framework that justified them: the rituals through which the system is transmitted, the ceremonial uses of operations, and the way colours encode shifts in collective states or temporal transitions. Working on this project taught me to analyse how abstract systems acquire meaning, how visual languages shape interpretation, and how communities use symbolic structures to orient behaviour and shared understanding.

(Mettre le diapo sur le site perso aussi)

Rapport d'observation et rapport d'étonnement: Projet nouvelles cultures nouveaux publics

Observation des comportements dans un lieu culturel. Nous c'était l'exposition pixel. Rapport d'observation et un autre d'étonnement analyse des attitudes envers les lieux culturels etc (mettre un extrait de notre rapport)

As part of a project on emerging cultural practices, I conducted an observation study at the exhibition *PIXELS*, focusing on how visitors engage with immersive and interactive artworks. Over several hours, we

documented behaviours, movement patterns, verbal reactions, and modes of interaction, before designing a quantitative survey to test our hypotheses. The study revealed how visitors—families, young adults, and children—navigate such environments collectively, privileging sensory immediacy, experimentation, and image-sharing over contemplative engagement. Analysing these behavioural traces allowed me to understand how interactivity shapes circulation, how digital devices influence attention, and how cultural spaces can become sites of participation rather than mere reception. Working on this project taught me to observe carefully, translate qualitative impressions into quantitative indicators, and interpret data to uncover broader patterns of expectation, desire and engagement.

Visualisation de données

Utilisation de différentes méthodes de représentation de données afin de régler des problèmes comme dans le quai branly. (Mettre le document)

A data visualisation project based on the *Inventaire du Patrimoine Kanak Dispersé* (Quai Branly) led me to work at the intersection of analysis, aesthetics and cultural interpretation. Using a dataset marked by colonial history, uncertain provenance and structural imbalances, I designed a visual system that made these asymmetries immediately perceptible: the overrepresentation of certain cultural areas, the near-disappearance of others, and the silences embedded in the archival record. The challenge was not only to represent the data, but to make its biases visible, echoing the critical approaches of Bertin, Drucker and Harley.

Constructing a stylised map, interactive diagrams and a narrative interface required me to think about how form shapes interpretation—how colour, absence, saturation or discontinuity can guide perception and invite questioning. This project strengthened my ability to transform complex datasets into meaningful visual structures, to articulate an ethical position through design choices, and to use visual storytelling as a tool for insight and reflection.”

Stage prop à l'institut jean Nicod

Cultural normatively in the arabe-islamic world, tracing tightness across 1400 years of textual tradition. Utilised a large-scale corpus (openiti) and advanced lexical analysis to trace shifts in « tightness » concepts across legal, tradition, and exegesis genres, to respond to the question: are Arab-islamic societies inherently governed by strict moral and social norms ?

During my internship at the Institut Jean Nicod (ENS–PSL), I worked on a large-scale study of cultural normativity in the Arab-Islamic textual tradition, analysing more than 1,400 years of scholarly production. Using a curated subset of the OpenITI corpus, I examined the evolution of normative discourse across legal, exegetical and hadith genres. To do so, I applied a lexical approach inspired by the Bag-of-Concepts framework, developing a tightness score that captured the relative prevalence of prescriptive vs. permissive concepts within each text.

Working with this corpus required combining historical interpretation, linguistic preprocessing and statistical modelling. The results revealed not a historical rupture, but a gradual, continuous increase in normative density over the centuries — a slow process of cultural consolidation rather than a reaction to specific events.

This research deepened my ability to work with large, noisy datasets, to connect linguistic patterns with cultural meaning, and to translate quantitative findings into broader interpretive insights. It also made me attentive to how norms are constructed, stabilised and transmitted — through discourse, through genre, and through the cumulative weight of textual traditions.

Projet analyses de pub

During a data analysis project in cultural studies, I examined how the automobile operates as a symbolic object within contemporary brand narratives and lifestyle imaginaries. Based on a corpus of 8,938 automotive advertisements (2014–2024), my research focused on how brands articulate forms of distinction, desire and social aspiration, while increasingly integrating ethical and collective values into their discourse.

Using a combination of lexical analysis and semantic modeling (BERT embeddings, topic modeling), I identified the narrative regimes through which brands construct meaning: performance and technical mastery, experiential and emotional appeal, and, more recently, responsibility and sustainability. The results reveal a structural transformation of consumption narratives: rather than abandoning aspiration and pleasure, advertising discourse reconfigures them through a value-based framing, where mobility becomes a site for expressing social commitment and cultural legitimacy.

This project strengthened my ability to analyse brand discourse as a cultural and political system, in which objects function as vectors of identity, lifestyle and symbolic capital. It also deepened my interest in the strategies through which luxury and premium industries reinvent art de vivre by aligning aesthetics, ethics and narrative coherence in a context of ecological and social transition.

Note d'intention

During a literature and cinema course, I worked on a creative adaptation project based on *A Painful Case* by James Joyce, exploring how literary interiority can be translated into visual and sensory language. Rather than producing a literal adaptation, the project proposed a poetic animated short film that reinterprets Joyce's narrative through sound, light and rhythm, focusing on affective paralysis, loss and delayed consciousness.

The project involved developing a full artistic intention, combining literary analysis with cinematic thinking. We transposed Joyce's epiphany structure into a sensory dramaturgy, where shifts in sound design and luminosity mirror the protagonist's emotional trajectory. By reimagining Dublin as a mental and symbolic space, the adaptation foregrounds perception over plot, and experience over narration.

This work strengthened my ability to think across media, to analyse narrative forms as systems of meaning, and to articulate artistic choices within a coherent conceptual framework. It also deepened my interest in how contemporary visual culture reinterprets canonical texts through atmosphere, symbolism and affect — an approach that resonates strongly with questions of aesthetic experience and art de vivre

Article HDA

Following the conception of the virtual exhibition *L'Ombre du Zaman*, I co-authored a reflective article analysing the curatorial, spatial and collective dimensions of the project. This text, soon to be published in *Entre-Temps*, a journal affiliated with the Collège de France, examines how an exhibition can function not only as a display of artworks, but as an experiential and conceptual device for thinking time.

The article focuses on the challenges of translating an abstract notion such as temporality into spatial form, scenography and visitor experience. Drawing on references from contemporary exhibition practices—particularly immersive and sensory approaches inspired by artists such as Olafur Eliasson—it reflects on the role of circular space, bodily perception and non-linear circulation in shaping meaning. Particular attention is paid to the collective nature of the project, highlighting how curatorial decisions emerge through dialogue, negotiation and shared conceptual frameworks.

This publication strengthened my ability to articulate creative practice within an academic and critical discourse, bridging hands-on cultural production with reflective writing. It also reinforced my interest in the

intersection of curatorship, theory and experiential design—an approach that aligns closely with contemporary reflections on culture, aesthetics and art de vivre.

Site Web

Création d'un site web qui contient permet d'avoir une vision globale du marché de la data (mettre le lien directement)

Eddmon

En tant que tutrice chez Eddmon, j'accompagne des élèves de différents niveaux dans leur apprentissage en leur apportant un soutien individualisé. Mes missions incluent : la préparation et l'animation de séances de tutorat, l'explication de notions scolaires en lien avec leur programme, l'adaptation d'outils pédagogiques, ainsi que le suivi régulier de leur progression. Mon rôle est également d'encourager la motivation et la confiance en soi des élèves, dans un cadre bienveillant et structurant.

Cette expérience en tant que tutrice chez Eddmon m'a permis de développer de nombreuses compétences, tant sur le plan pédagogique que relationnel. J'ai appris à m'adapter aux besoins de chaque élève, à vulgariser des notions parfois complexes, et à construire des séances de travail structurées et motivantes.

Sur le plan personnel, cette mission m'a permis de renforcer ma capacité d'écoute, ma patience, ainsi que mes compétences en communication. Elle m'a également appris à gérer mon temps de manière autonome et à prendre des responsabilités dans un cadre professionnel. Enfin, j'ai découvert l'impact positif que peut avoir un accompagnement bienveillant et personnalisé sur la réussite et la confiance en soi des élèves.