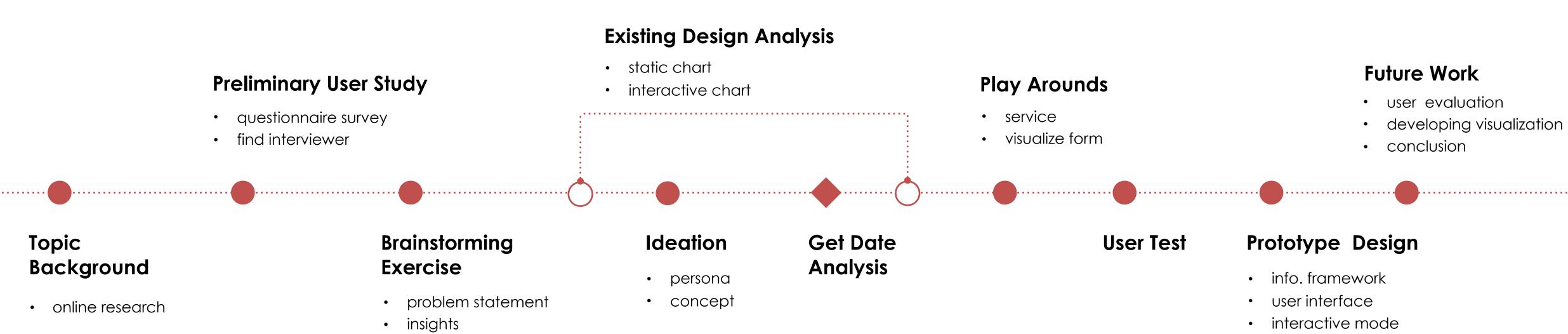


Interface Design Course The Data Visualization of Design History **Design.o**

Ning Miaomaio / Yang Ning / 7.17.2017



Outlines



Topic & Background

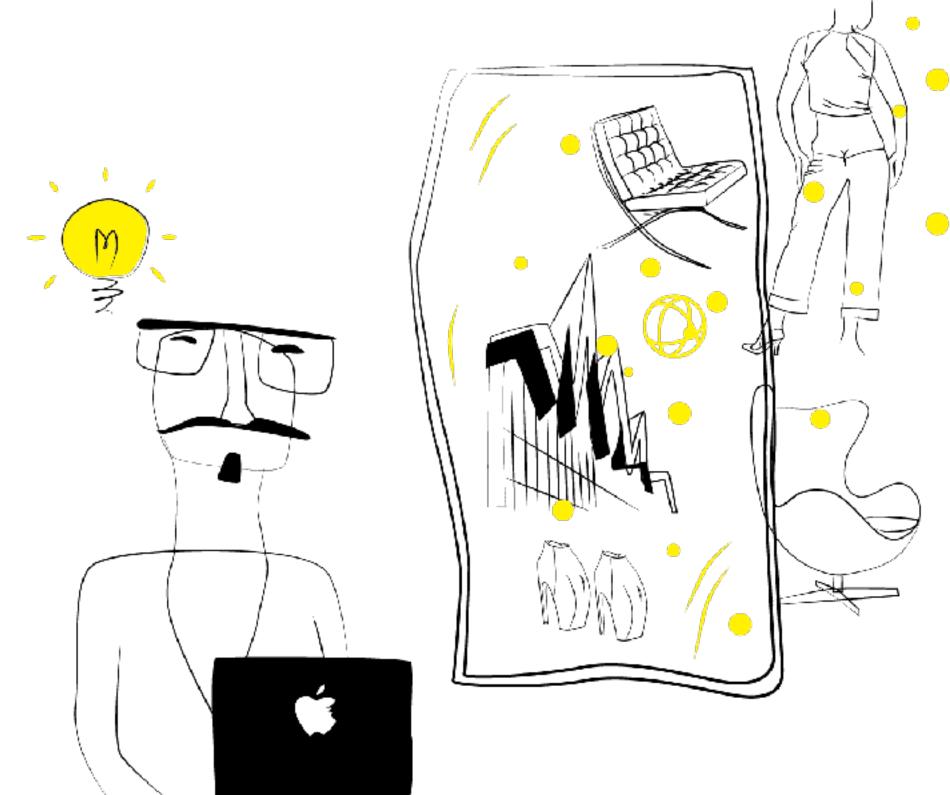
Why we chose **Design history**?

/ As a student of learning design, we are interested in the topic of design history.

/ History is a mirror where you can find mistake people made before and rules inside.

/ Design history is one of the basic design courses of Chinese students.

/ get inspiration from design history





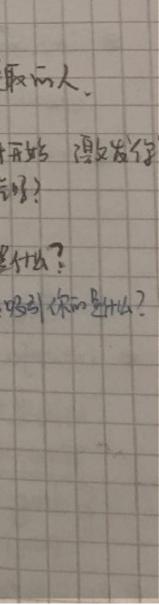
讲故事,故事板(我问题,御决 白波快史 Hikkweb it into the 家祝きゆ Data Vi Cool . -> Topi 用平是什么 With Persona

To get the right pain point, we did questionnaire research among Chinese: Personal Information / Attitudes

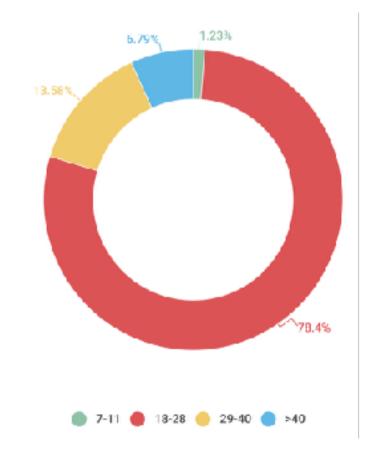
- How old are you?
- Do you work in the design industry?
- Are you interested in design history?
- How much do you know about design history?
- What do you want to know about design history?
- how do you get to know design history?

*30 D3.j5	从事什么行业?包括游戏状想?(分群体)并能 44制
1830 C (BIR 324 HIL) Owner they done at your	The state of the s
Who were they dire at you's Who were they dire at you's design journey in their lives wanever se late to start (→ ····································
WE SHAD BORAGIAN	● 送湖道当 xx 40岁月开始多孩子时,你就你真会对 没计的勇言
BUT TONE CONSTRUCTION	《保夏夏夏秋夏、新夏、秋秋、小月秋夏、暮谷波、川马林在传望
naire survey	天外发 现代波日发展历程、波计风格、浅计运动。
a design education. (Backaus / ACCD)	· 龙城道 设计公司, VSH P克拉、 Book.
Dife moment	The Take Start And Sking and website.
ø design award.	· 3种设计方面很为 — 3种设计前途标· exhibition. · 平时作用 的设备, 教子
p lifespan -	A grand the start of the start

- Very well quite a lot little bit almost not
- Works , designers , theory , Styles, design awards , design method, design movement, material, design education ,studio/company, others
- Books, website, social network, exhibition, others



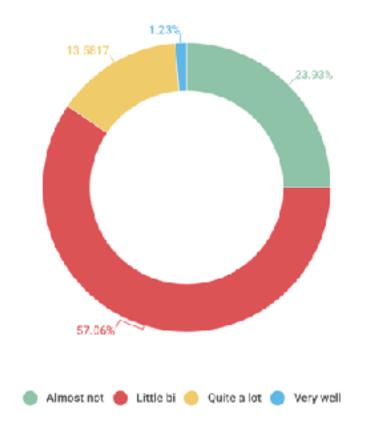
• How old are you?



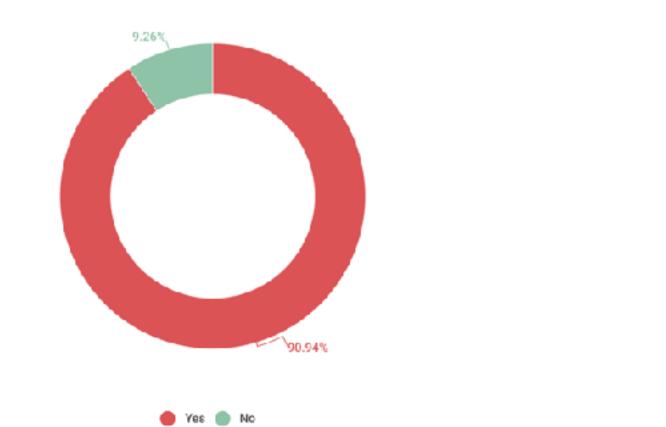
• Do you work in the design industry?



- How much do you know about
- design history?



• Are you interested in design history?

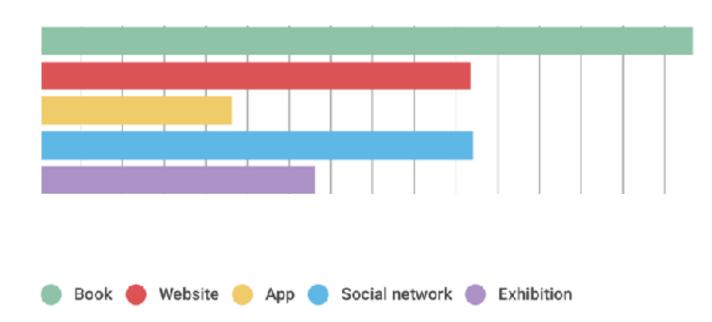


74.69%

🔵 Works 🛑 Designers 🛑 Theory 🔵 Styles 🛑 Design awards 🔵 Design method 🛑 Design movement 🛑 Material 🔵 Design education 🛑 Studio/company 🛑 Technology 🔵 Other

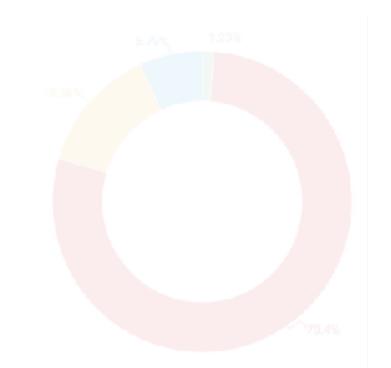
• What do you want to know about design history?

• What method do you use to understand design history?





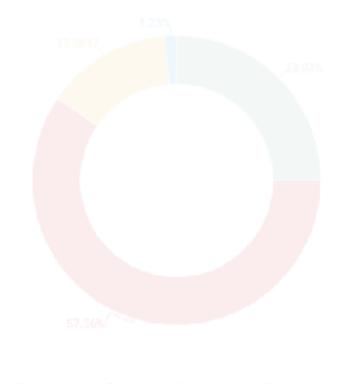
• How old are you?



• Do you work in the design industry?

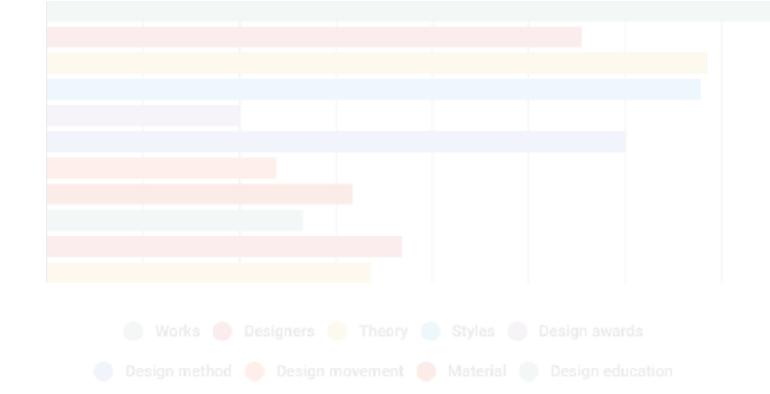
Actually most of them (80%) know little about design history, even the people in design field

- How much do you know about



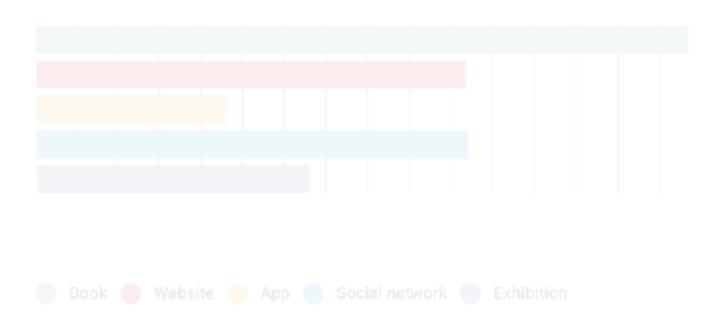
Really Want to know about history ! ! ! (more than 2/3 want to know more about designer, works, design theory, style)

• What do you want to know about design history?

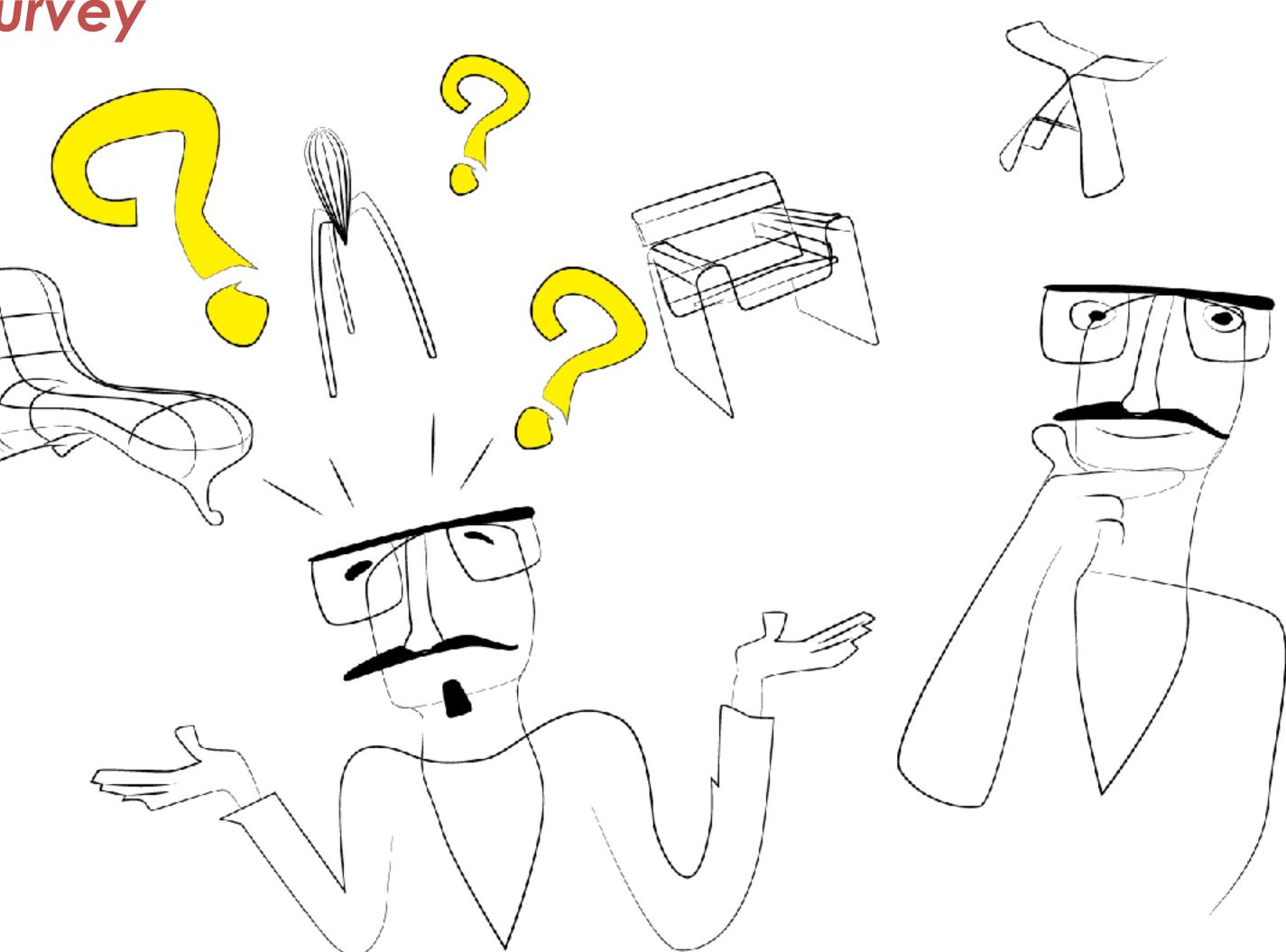


The main source is book and social media

• What method do you use to understand design history?







People know little about design history, even designers... Actually they are interested in, even eager to know...





Book is the only source to know design history little online information some people think it's boring to read...

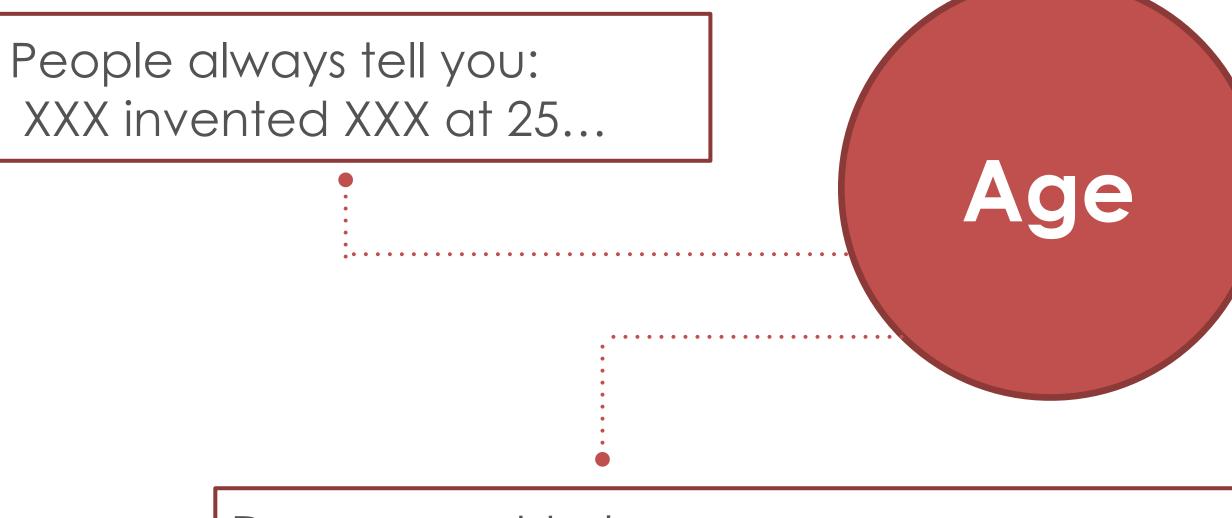




We are always surfing the web.. Get fragmented information from social media...







Do you want to know: What happened to the famous designers at your age?

• Age is something related to you.

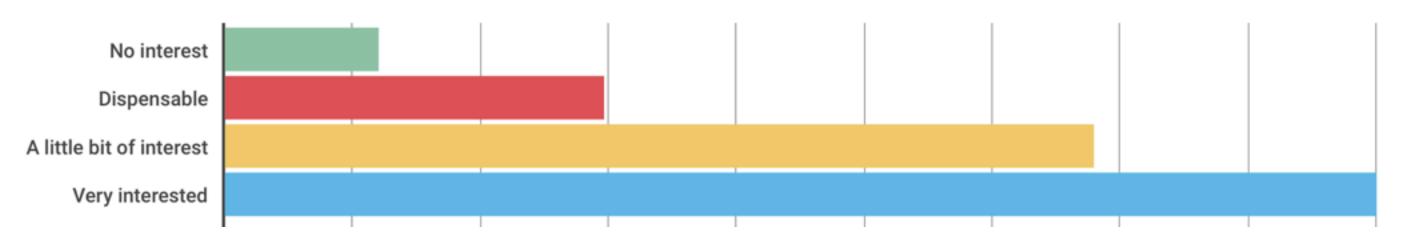
• People care more about something related to themselves

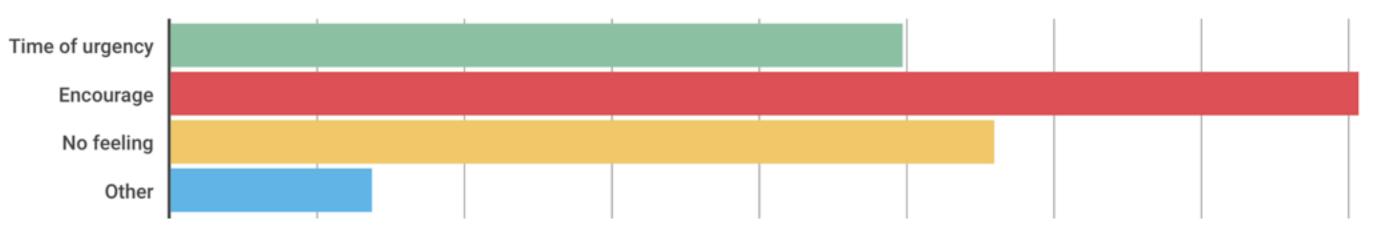




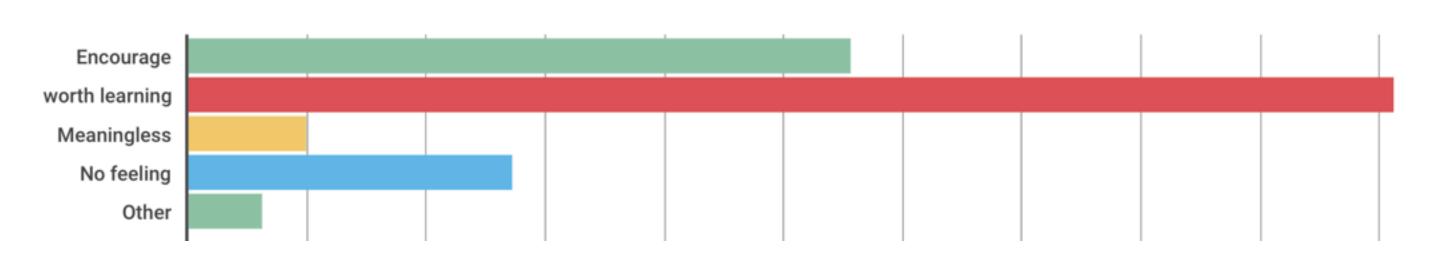
Research

Are you interested in knowing: what are the famous designers doing at your age?





Do you feel encouraged after knowing Vera Wang started her design career at 40 years old?



Do you feel motivated after knowing Zuckerberg founded facebook at 20 years old?





Persona



Han Mei

Age: 22 years old Career: student Grade: Undergraduate fourth grade Major: product design

I am a senior student, this winter I will attend the Graduate Entrance Examination, I am very worried about my design history part, although in the first grade class teacher taught design history, but now I have forgotten most of the content. Then, the teacher and the classmate recommended several books of design history, these books are very thick and read a bit boring, I also consider whether to participate in the design history tutorial.



Persona



Li Lei

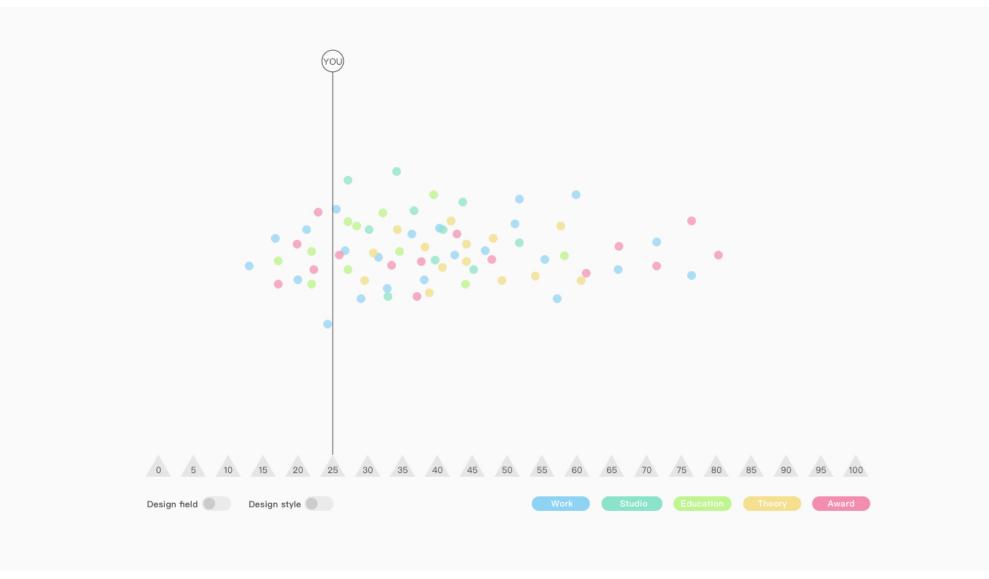
Age: 30 years old Career: security company Live: Su Zhou Hobby: sport, surf the Internet, read book, see the exhibition

I am a securities analyst, I usually work more busy, I like the home design, when I am not busy when I will look at some home design books and websites, I like to go shopping around the design exhibition at the weekend, but As the exhibition in Suzhou is not much, I will go to Shanghai to see the exhibition, sometimes it is not convenient.





An interactive visualization of design history, which can provide funny and comprehensive way to know design history for design student and other people who interested in the design.





Get the Data(source:wikipedia)

Pholo	Photo Link	Designer	Bom	Died	Age	Country	Profession	Education Time G	raduation Date	Education	Theory Time	Theory	Work Time		Image	Imaga Link	Design work	whyte	Award Time	Award	Tine	Studio/Company/ School	艺术演动/主义/ 長	Link
											1986	Philip Wabb and File Work	1502				High Codease House, Lynchurst, Honownire							
	By Unknown - Den moderne dations Stables (cospect horn Pilet a landsch Cabe sier Tongkom oskä (pg), Publis Denvin (https:// commons.or.bimodi a.org/vdfruso.php// costde.cospectary outde.cospectary	La Corbusia	1967	1005		Swise, French	architez, docignes, painter, arban plannes, writer	1982		the numicipal at scinool in Lo-Ghana de-Fonds		t Espit Houseau	1606			ADR. CC RVSA S.0. https:// 		modemism and functionality	1601	Foank P. Brown Medial	156 4 3		projectio by Le	
								1905		The higher course of discondient, four dee by the celeter Charles L'Epletien er		Towards an Antistecture	1512		Â		The "Maloon Blanche", built for Le Corousier's parents in Lo Chausocle-Ponda		1251	ALA Cold Madul			19 15 J'Ajecting Colo am sa inntional and "romanic", the pair jointly published liteir manifasio, Aprils le cobliante and notabilished a new aribilis meamant, Purtam.	
											1925	Last décoraît desjourc'hu (Decorative Art Tochej)	1712		. Ťi	work, CC BY-SA	The Villa Estate- Jacot in Ly Locky, Switzerland							
											1967	The Africas Cherler	1516	1918		Ry Schwingmed - Dwn wors, CD PS- SA 30, https:// commons.wikinedi a.org/windex.pho? outrist/6200842	Schweit House in							
											1688	Canaansi Kiwakangi Na Darik yan, Lodying pinanal	1620			By Le Collexier - Pordulion Le Cortaisier, PD-US hipos? et av siperile cogive iodex.php? autrication.pp.	(26me version), dil							
											1939	The (victory of moders brees and subsector	1522		(Å	By Le Corbusier - Kunstmuseum,	Ratare morte verticale (Vertical Still By), oll or carvas							
													1:25			By SafarDh - Cwn Aort, CC BYrSA 400, https:// comprome.action.com/ current/withko.php? current/withko.php?	The Pasilian of the Espif: Nouveau							
													1525				Fondation Le							
													1527			By Phole Andreas Phashba - Own work (own photograph), CC BY 3.0. <u>Intervie</u> sommone, Altimeti auorg/witeke, pho? partici 11:46252								
													1578	1921	-			ar ionn of modernist architecture						
													1627		- P	By .pop - Possao_4, CC RY-SA 2-0,	units built in the Calartiers Violennes							
													1026	120-	E muit	By Akynamusa Own work, GC 644 8A 8 0 brosto common, a kimedi storg/winded.php? curio=18044706	Tsertrospyuz, headquarters of Soviet trade unions,							
													1030	1932	and the second se	By Formans (246 - Own work, CD 5% 3A 3.0, https:// commons.wiskeedi wors/withko.php/ curid=16007045	The Immedia Claric in Geneva							
													1129	1205		By Joan Pierre De bina - Pierre De bina - Pierre Ions Internationale L'Anternationale Paray, CG BY 20, App32 commons, A kineci ausgivin des pag? curie 121-611240	Foundation in the Cité internationale universitaire de							
													1047	1952		By Anapulg - Own work, CC BY-SA	Exterior of the Unite d'Habitation, or Cité Radieuse in							

- Basic info. (Photo, link, name, born, died, age, country, profession)
- Education (Education school, education time)
- Work (Work name, time, image, link...)
- Theory/book
- Award
- Studio/company

10 designers each field: industrial design/architecture/ graphic design/ fashion design





Get the Data(source:wikipedia)

Born	Work Time	Age	Image	Image Link	Design work	1987	1927	
1857	1902	45	AN	By Roger Davies, OC BY-SA 2.0, https:// commons.wkimedi a.org/windex.php? curid=14175265	All Saint's Church, Brockhampton			
1857	1900	43		By Oosoom at English Wikipedia, OC BY-SA 3.0, https:// commons.wkimedi a.org/windec.php? curid=4118299	122-124 Colmors Row (Eagle Insurance Offices), Birmingham	1887	1928	1931
1857	1894	37			The Hurst, Hartopp Road, Four Oaks, Birmingham	1987	1927	
1857	1900	43			Melsetter House. Gatehouse, Lodge and Chapel, Hoy, Orkney	1987	1928	1934
1857	1902	45			High Coxlease House, Lyndhurst, Hampshire	1967	1929	1854
1687	1905	18		By Archipat - Own work, CC BY-SA 3:0, https:// commons.wkimedi a.org/windex.php? carid=15928879	Le Corbusieris student project, The Villa Fallet, a chalet in La Chaux-de- Fonds, Swilzerland	1987	1890	1932
1887	1912	25		By Eveline Perroud - photographie Eveline Parroud, OC BY-SA 3.0, <u>https://</u> commons.wkimedil a.org/windex.php? <u>curid=3799424</u>	The "Malson Blanche", built for Le Corbusiar's parents in La Chaux-de-Fonds	1987	1929	1933
1687	1912	25	Ť	By Elleka - Own work, CC BY-SA 3.0. https:// commons.wkimedi a.oro/windex.php? corid=16809644	The Villa Favre- Jacot in Le Locie, Switzerland	1887	1947	1952
1687	1916 1918	29		By Schwizgebel - Own work, CC BY- SA 3.0, https:// commons.wikimedi a.org/windex.php? curid=16230642	The Anstole Schwob House In La-Chaux-de-Fonds	1987	1947	1952
1887	1920	33		By Le Corbusier - Fondation Le Corbusier, PD-US, https:// en.wikipedia.org/w/	Guitare verticale (2ème version), oil on canvas	1887	1947	1952
1887	1922	35		index.php? curid=46868698 By Le Corbusier - Kunstmuseum, Basel, PD-US, https:// en.wikipedia.org/w/ index.php?	Nature morte verticale (Vertical Still Life), oli on canvas	1887	1950	1955
1887	1925	3B		curid=47562338 By SlefkinDR - Own work, CC BY-SA 4.0, <u>https:// commons.wkimedi</u> a.org/windex.php? curid=51542071	The Pavilion of the Esprit Nouveau			
1887	1923	36		By Badomir Cernoch - Ilickr, CC BY-SA 2.0, <u>https://</u> en.wikipedia.org/w/ <u>index.php?</u> curid=40841640	The Villa La Roche- Jeanerette (now Fondation Le Corbusier) in Paris	1987	1953	1960

40		By Photo: Andreas Praeticke - Own work (own photograph), CC BY 3.0, <u>https://</u> commons.wkimedi	Corbusier Haus in Weissenhof. Stuttgart, Germany	1887	1960	2006	73		By lapin.lapin - lapin.lapin, CC BY- SA 2.0, <u>https://</u> en.wikipedia.org/w/ Index.php7 curid=31680528	Church of Sair Pierre, Firminy
 41		a.org/windex.php7 curid=11149752 By Valueyou (talk) - Lorealed this work entirely by myself., CC BY-SA 3.0,	The VIIIa Savoya in Poissy	1887	1960	2006	73		By Kamalpassi2102 - Own work, CC BY- SA S.0. https:// commons.wikimedi a.org/windex.php7. curid=32870255	
40		https:// en.wtkipedia.org/w/ index.php2 curid=19648390 By_pep - Pessac_4,		1887	1951	1956	64	Antes and and and	By gb pandey from chandigarh, India - High Court,Chandigarh,I ndia, CC BY-SA	The High Cour Justice, Chano
		CC BY-SA 2.0. https:// commons.wkimedi a.org/windex.php? curid=15112266	units built in the Quartiers Modernes Frugès in Peesso	1887	1952	1961	65	1	2.0, <u>https://</u> commons.wikimedi <u>a.org/w/index.php?</u> carid=3592053 By duncid -	Palace of Asse
41	S	By Akyrarasa - Own work, CC BY- SA 3.0. https:// commons.wikimedi a.org/windex.php? curid=18044708	Building of the Tsentrosoyuz, headquarters of Soviet trade unions, Moscow						KIF_4646_Pano, CC BY-SA 2.0, https:// commons.wikimedi a.org/windex.php? curid=3635869	(Chandigarh)
43		By Romano1246 - Own work, CC BY- SA 3.0. https:// commons.wkimedi a.org/windex.php? curid=16007043	The Immeuble Clarté in Geneva	1887	1954	1959	67	Committee a	BÝ 2.5, <u>https://</u>	The National Museum of We Art in Tokyo
42		By Jean-Pierre Dalběra - Flickr: La fondation suissa (Cté internationale universitaire de Parls), CC BY 2.0. https:// commons.wkimedi a.orofwindex.php? curid=21491240	he Swiss Foundation in the Otté internationale universitaire de Paris	1987	1962	1967	75		By © Roland Fischer, Zürich (Switzerland) – Mail notification to: roland_zh(at)hispee d(dot)ch / Wikimedi a Commons, CC BY-SA 3.0, https:// commons.wikimedi a.org/windex.php? carid=28453603	The Centre Le Corbusier in Zi
60		By Anapuig - Own work, CC BY-SA 3.0, <u>https://</u> commons.wkimedi a.org/windes.php? curid=26281620	Exterior of the Unité d'Habitation, or Cité Hadisuse in Marseille	1983	1925	1926	42	E	By Mewes in de- Wikipedia - Own work, Public Domain, <u>https://</u> commons.wikimedi a.org/windex.php?	Bauhaus in De Germany
eo		By Michel-georges bernard - Own work, GC BY-SA 3.0, <u>https://</u> commons.wikimedi a.org/windex.php7 curid=33176880	Internal "street" within the Unité d'Habitation, Marsei le	1883	1937	1938	54		curid=165180	Gropius House Lincoln, Massachusette USA
60		Flickr as The United Nations Building, CC BY-SA 2.0, https:// commons.wkimedi a.org/windex.php?	The Headquarters of the United Nations						American Buildings Survey: HABS MASS,9-LIN,16-20, Public Domain, <u>https://</u> commons.wikimedi <u>a.ora/windex.php?</u> curid=667576	
63		Lorested this work entirely by myself., CC BY-SA 3.0, https:// en.wikipedia.org/w/	he Chapelle of Notre-Dame-du- Haut in Ronchamp	1883	1942	1944	59	The second	By Jet Lowe - <u>http://</u> hdl.loc.gov/or.pnp/ <u>hht.pa2949</u> , Public Domain, https:// commons.wikimedi a.org/windex.php? curid=9738346	Aluminum City Terrace
 66		Index.php7 curid=19648493 By Alexandre	The Convent of	1983	1945	1959	62			Michael Reese Hospital, Chica Illinois, USA
		Norman - French Wikipedia, CC BY- SA 3.0. https:// an.wikipedia.org/w/ index.php? curid=40634237	Sainte Marie de La. Tourette	1883	1963	1966	80			John F. Kenne Federal Office Building, Bosto Massachusette USA
73	and a	By lapin.lapin -	Church of Saint-	1983	1960		77			the Gropiussta



Play Around(RawGraph)

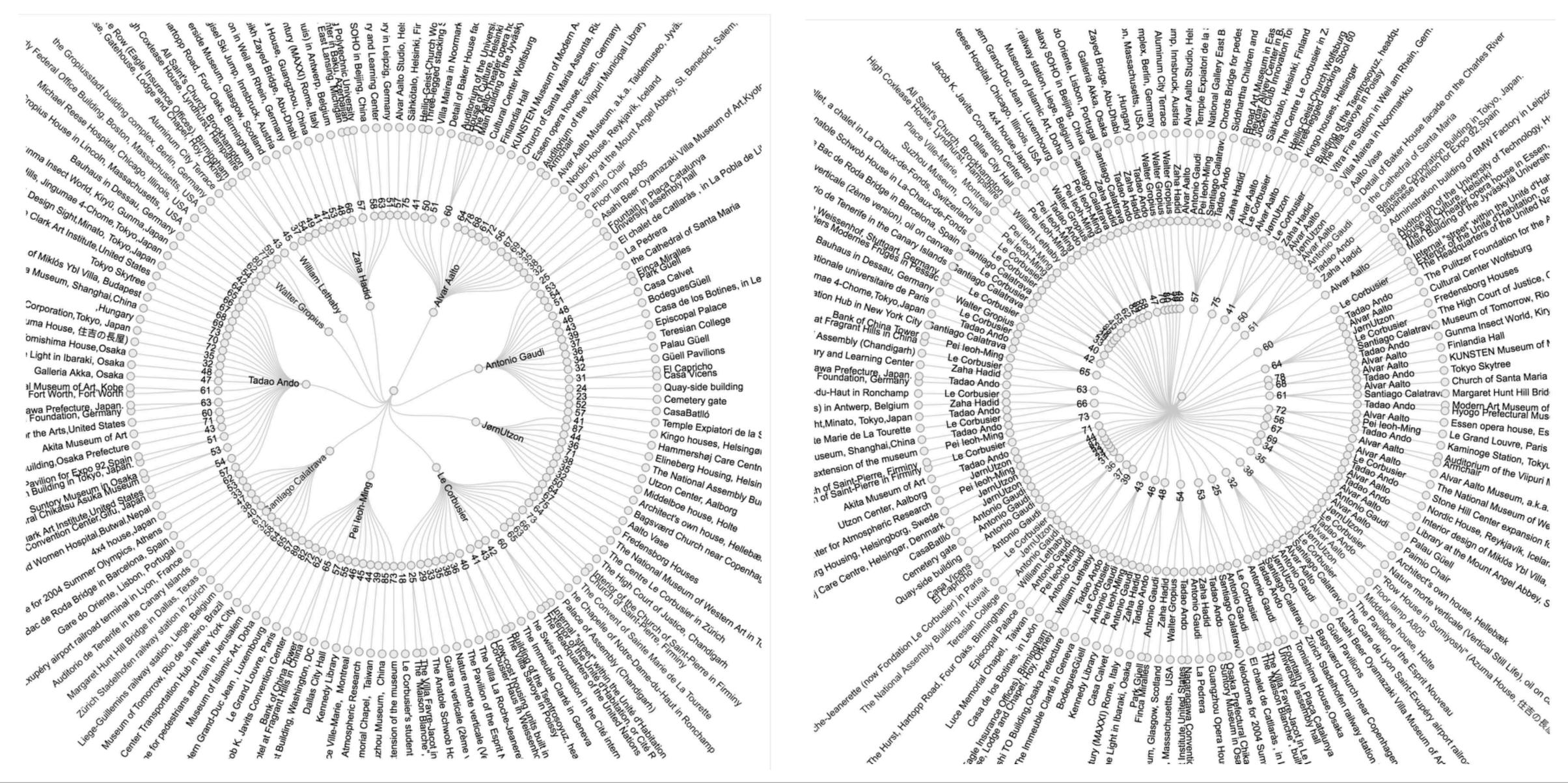
Santiago Calatrava	
Le Corbusier	
Zaha Hadid	
Tadao Ando	
Walter Gropius	
Walter Gropius JørnUtzon	
Antonio Gaudi	
Antonio Gaudi	
Aburn Asha	
Alvar Aalto	
William Lethaby	
Pei leoh-Ming	
r or ioon-ming	

The Gare de Lyon Saint-Exup The World Trade Le Corbusier's Thode Ma Sojeet angle Low-cost housing Nature he Swiss Foundation, Building of the Tsentrosoyuz, Exterior of the Jockey Club Ans Visitor, Exhibition and Co The Pu Siddhartha Ch Stone Hill Center expanded John F. Kennedy Federal Hammershøj Care Cer Fou Temple Exba El chalet de Catlla Library at the Mount Angel Abbey, St. Asahi Beer Oyamazaki Mila Marou

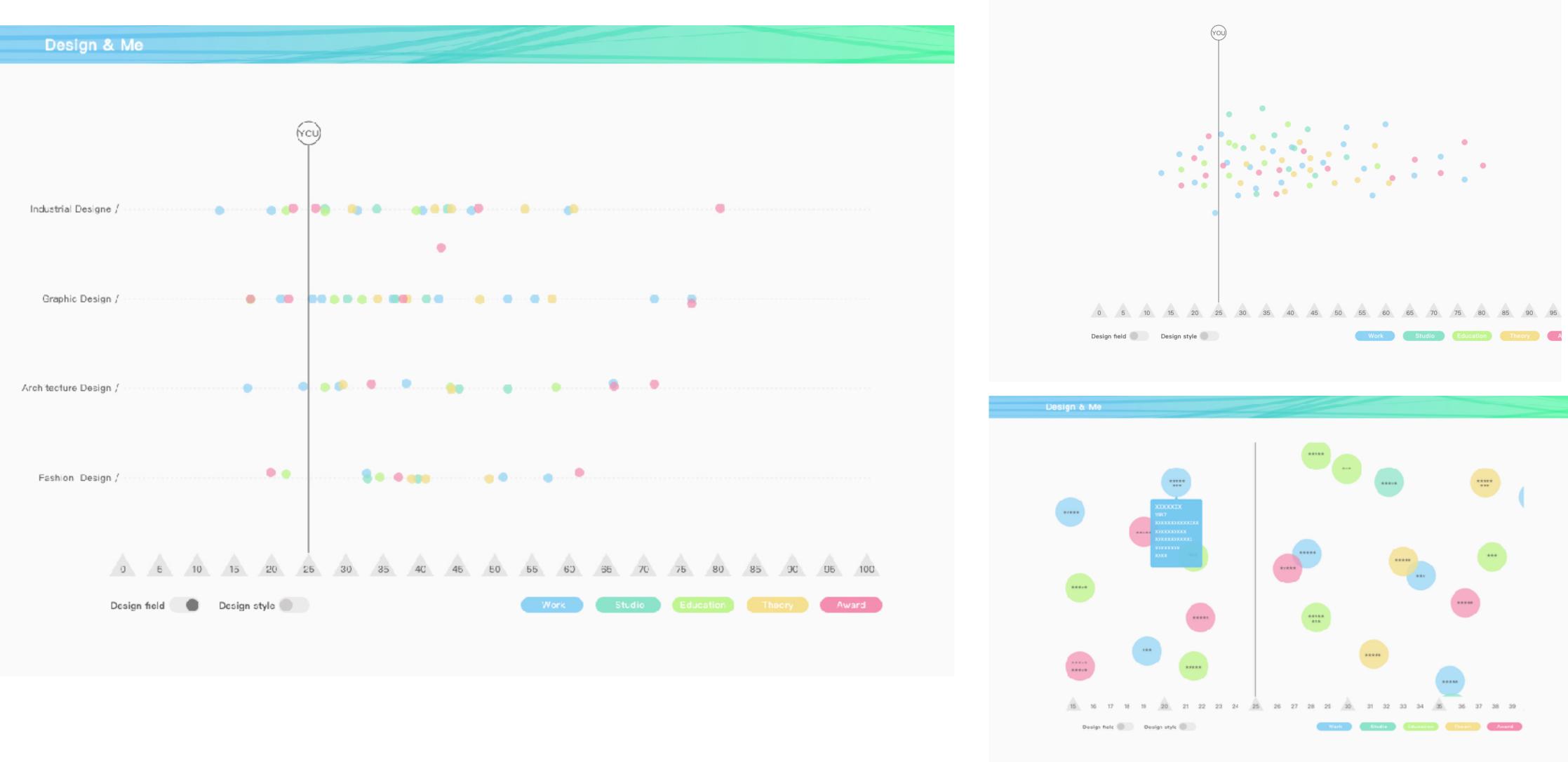
Auditorium of the Ur 122-124 Colmore Row Mesa Laboratory of Nation Musée d'Art Modern Grand Jacob K German Historical Museum- Me



Play Around(RawGraph)

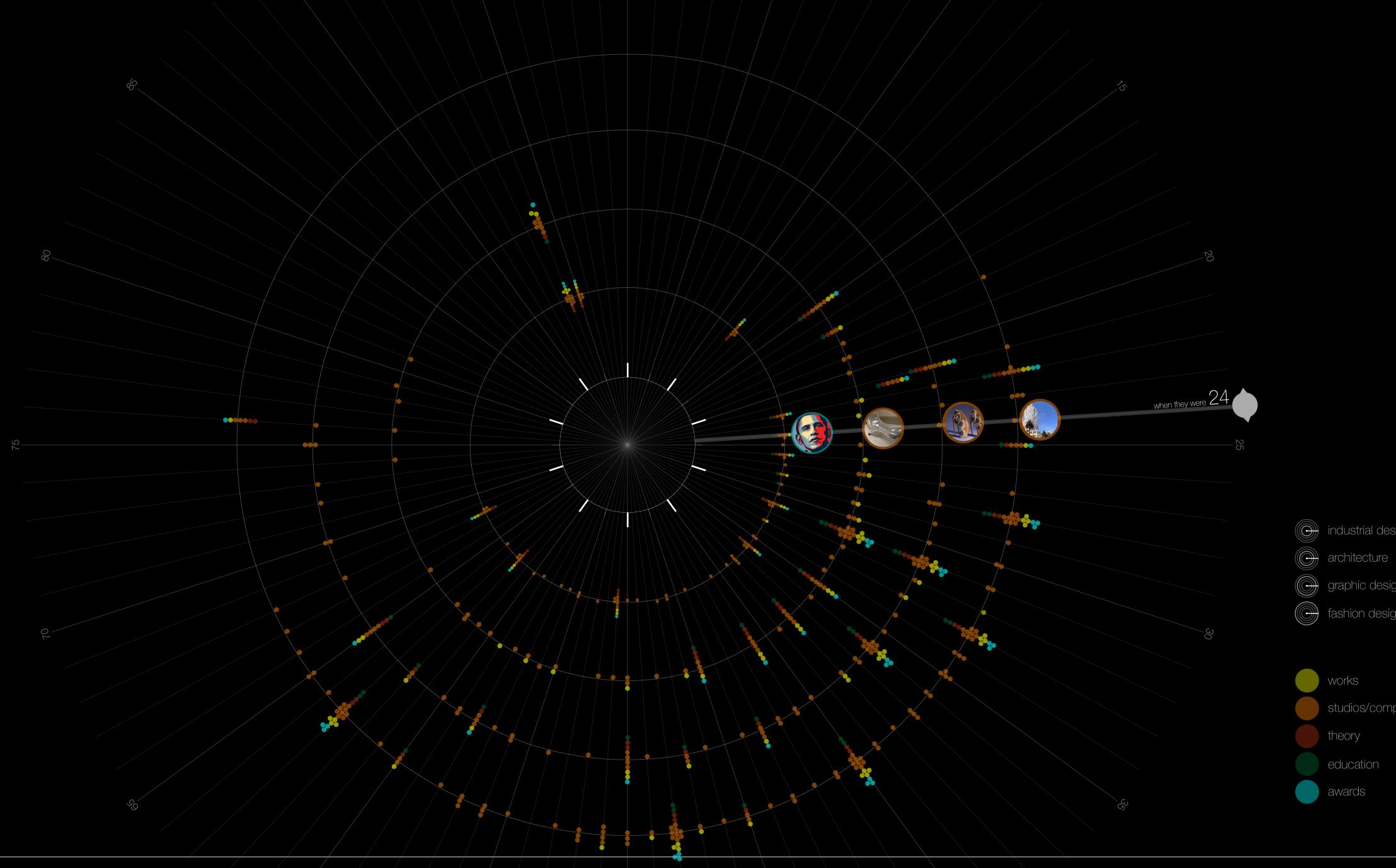


Plan 1





Plan 2



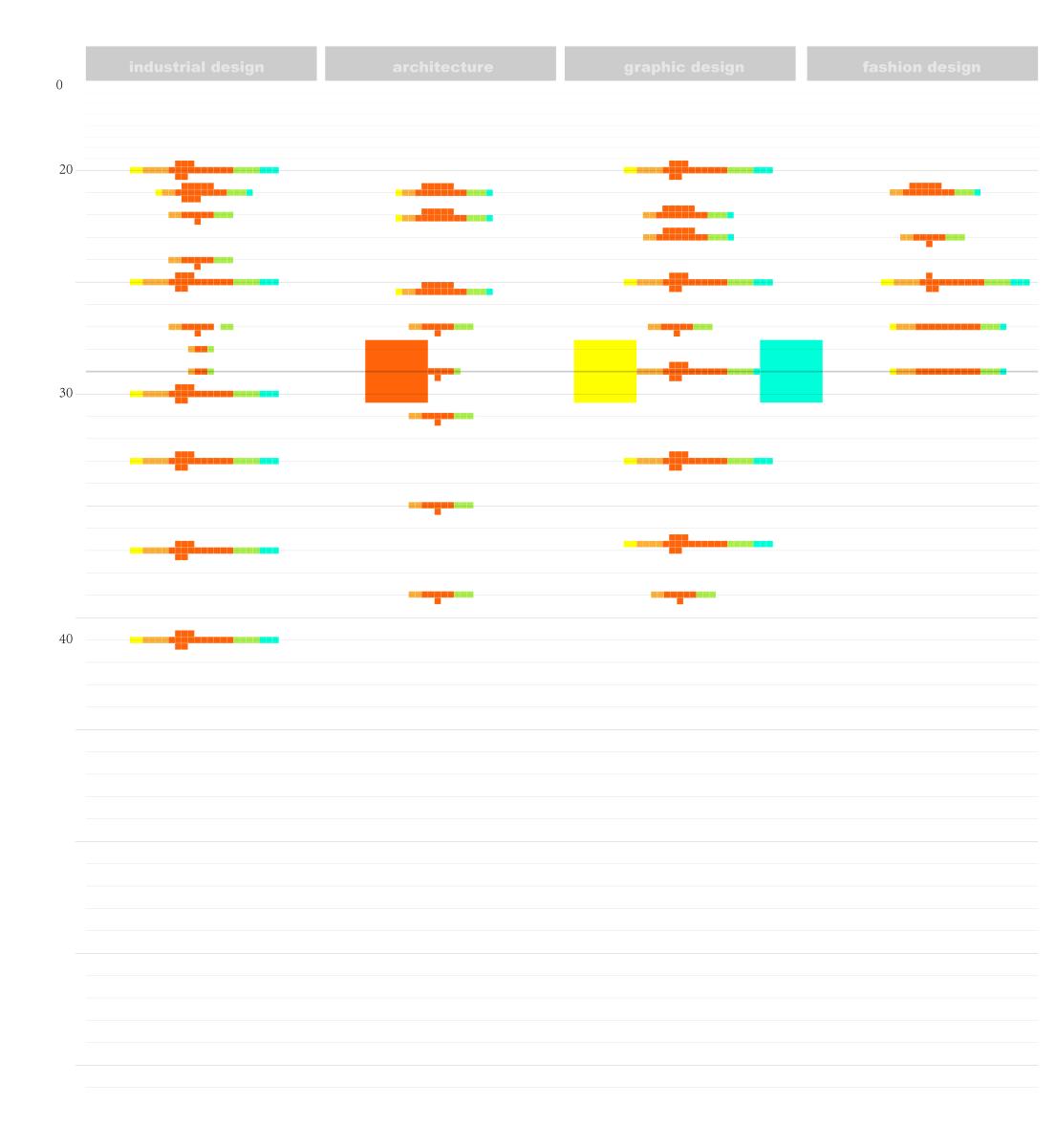
studios/company theory education

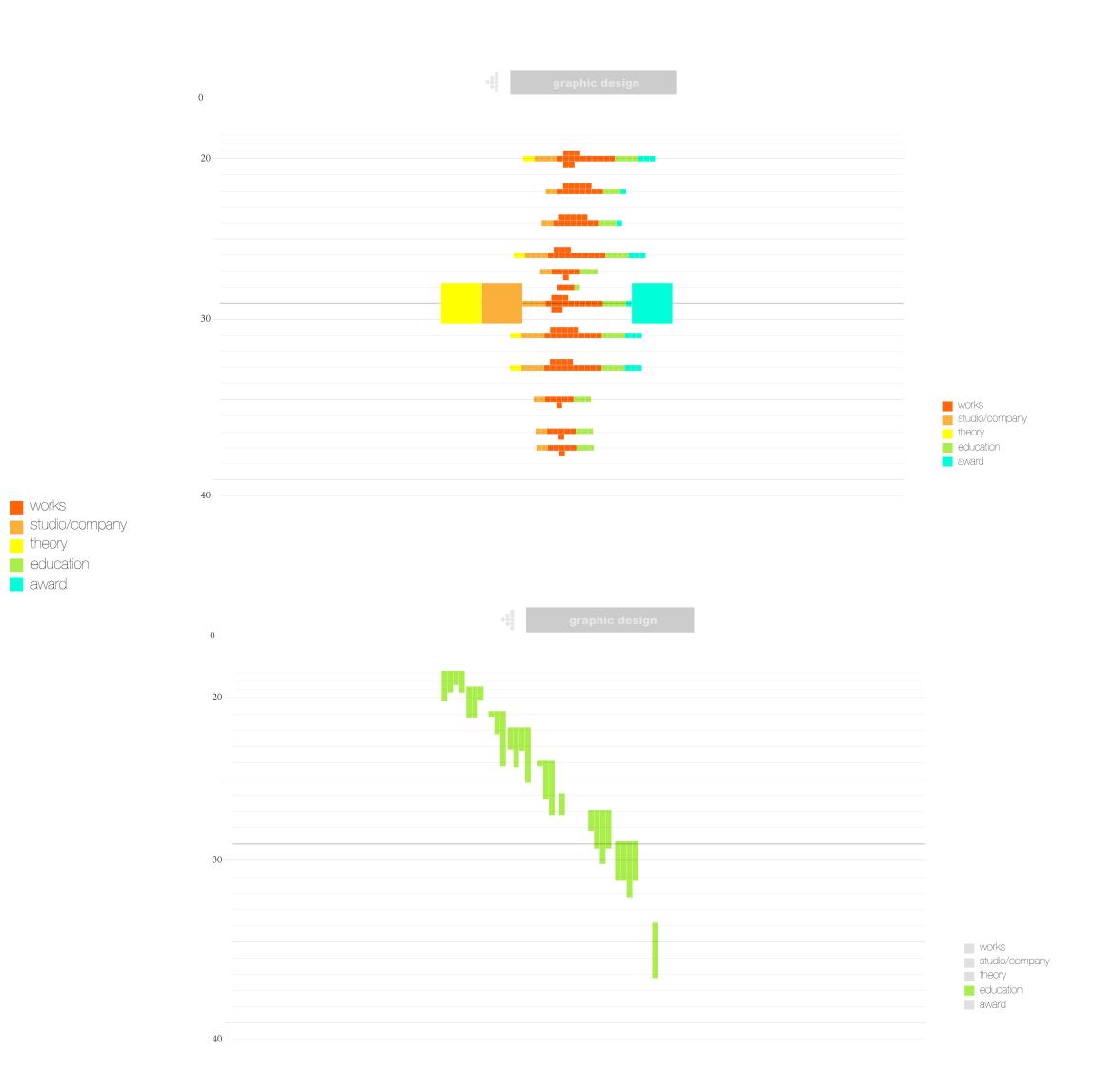
fashion design

graphic design

industrial design

Plan 3







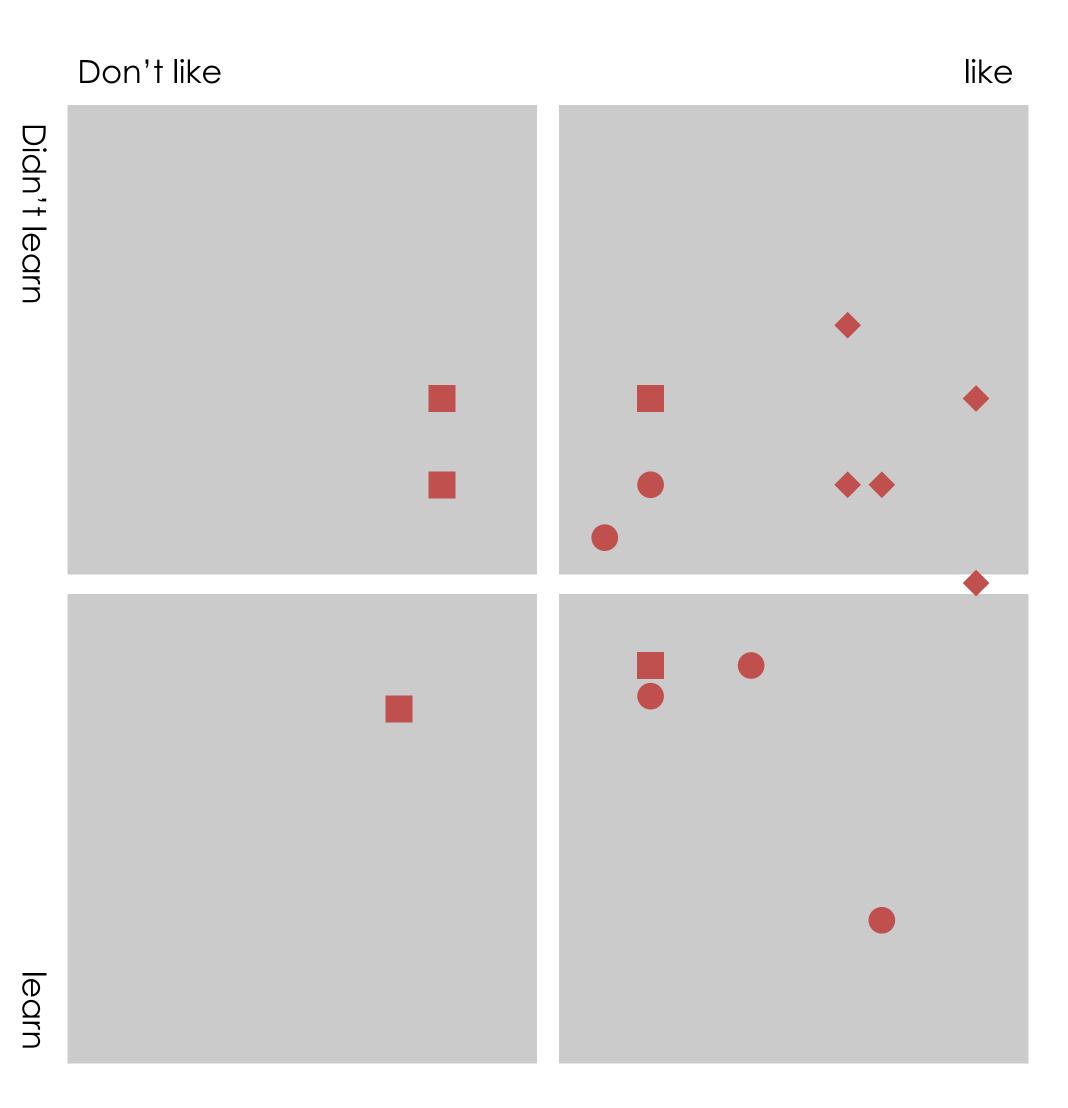


We design several pages each graph, show to People in design field (3 persons) and the people who is interested in design(2 persons); Ask degree of preference (1-10) And information understanding (1-10)

lity !			* :			3	-					1				Ó			ę.				12			-1,1	- 1	ł
4 9th.				_	_						(na	M	91		0	Ĩ.			ŗ.	-		T						
° 2',	· ə.:	4.	8.		6:	14	7.	-	8.	+	4		10	. "		1-	-		0			1		4		÷		
- BINESS	'×	· 4°	* V*		15	÷.,	- Sec.	*			1			1	٠.			-	Ϋ.		•							
(#1+1+	1.55	i.e.	13.2	-				ł.	ti	-	2	5		1	5	٤.			1	10		1						
		Alt.					a			×.				1					1		+	1		. *	1			
						-	ŵ.		-		1											1			÷	1	-	
				2																								
								2				1						1			1	1	1			-		
1000											1	11	-								G.	1	1		1			
like.			21.2	21							1	CA.	ā.,	3	(as)	0	ŝ.	Ú.			i.		1		οŔ			
				+			~		10				-	P		0	-		-	-								
	1.	4.	+ 0.	100	9.		6	2	g.		7.		10		-								1					
									1	X	5		40						_	d								
	÷\$.	2. 2. 2. 2. 1. 2. 2. 1. 2. 3.	÷\$	**	**	4 92L 4 92L 4 92 4 5 6 7 9 4 5 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9	4 φαL	4 φαL 4 φαL 4 φ 4 5: 6: 7. γ φ γ η γ φ γ η γ φ φ	4. 9. 4. 5. 6. 7. 	4 94. 4 93. 4 5: 6: 7. 8. × 2 × α √2 0	4 94. 4 93. 4 5: 6: 7. 8. × α × α × α × α × α × α × α × α × α × α	i sal. ba i sal. ba i a. ⇒. 4. c. 6. 7. 8. 9. √Ω. 0 ×	4 50 bash	2 2 4 5 6 7 8 9 1 10 Va 0 ×	2 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10. 100 x 100 x 10	2 22 barre 24, 0 2 2 4 5 6 7 8 9 10	2 3. 4. 5. 1. 7. 8. 9. 10. 100 100 100 100 100 100 100 100 10	2 3. 4. 5. 1. 7. 8. 9. 10. 100	2 3. 4. 5. 1. 7. 8. 9. 10.	2 3. 4. 5. 6. 7. 8. 9. 10. Libe. 2 3. 4. 5. 6. 7. 8. 9. 10. Utilize beens. incurry 1 3. 4. 5. 6. 7. 8. 9. 10.	2 3. 4. 5. 6. 7. 8. 9. 10. Like. 2 3. 4. 5. 6. 7. 8. 9. 10. Unite. Like. Like. 2 3. 4. 5. 6. 7. 8. 9. 10. 	2 3. 4. 5. 6. 7. 8. 9. 10. Libe. 2 3. 4. 5. 6. 7. 8. 9. 10. Unite. Libe. 2 3. 4. 5. 6. 7. 8. 9. 10.	2 3. 4. 5. 6. 7. 8. 9. 10. Like. 2 3. 4. 5. 6. 7. 8. 9. 10. Unite. Like. Distribute. Distr	2 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10.	2 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10. 1 3. 4. 5. 6. 7. 8. 9. 10.	2 3 4 5 6 7 8 9 10 1 3 4 5 6 7 8 1 16 Va 0 x Va 0 x	2 3 4 5 6 7 8 9 10	2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 1 16 Va 0 x Va 0 x bibe. bi

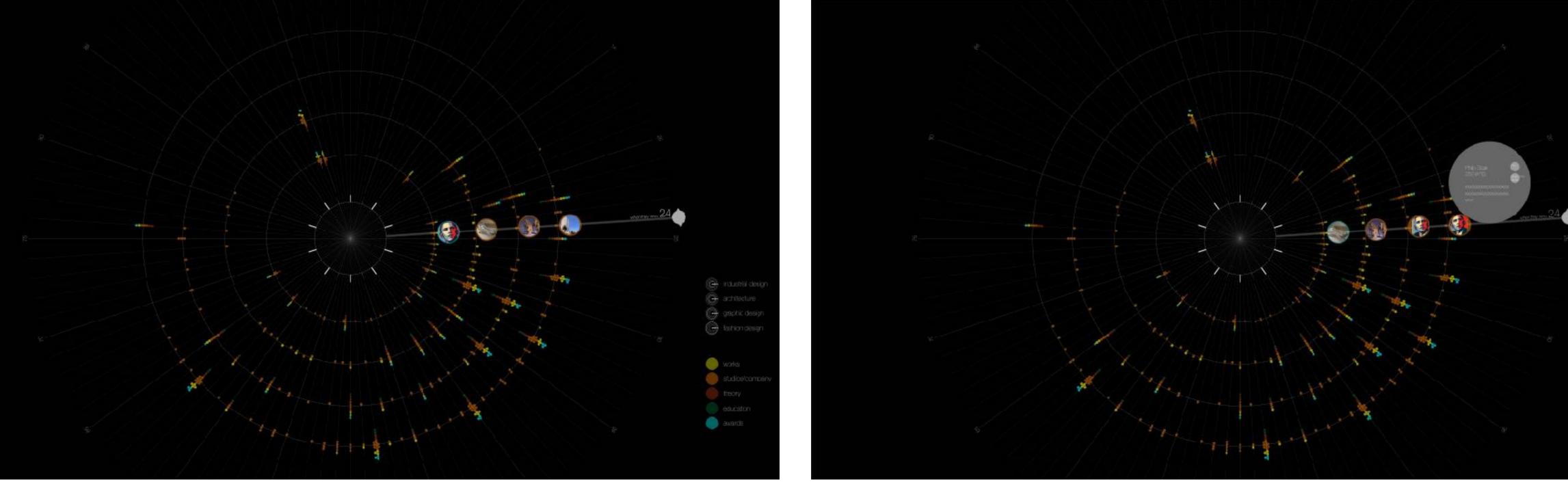
Plan 2: have a whole view 🛛 🖤

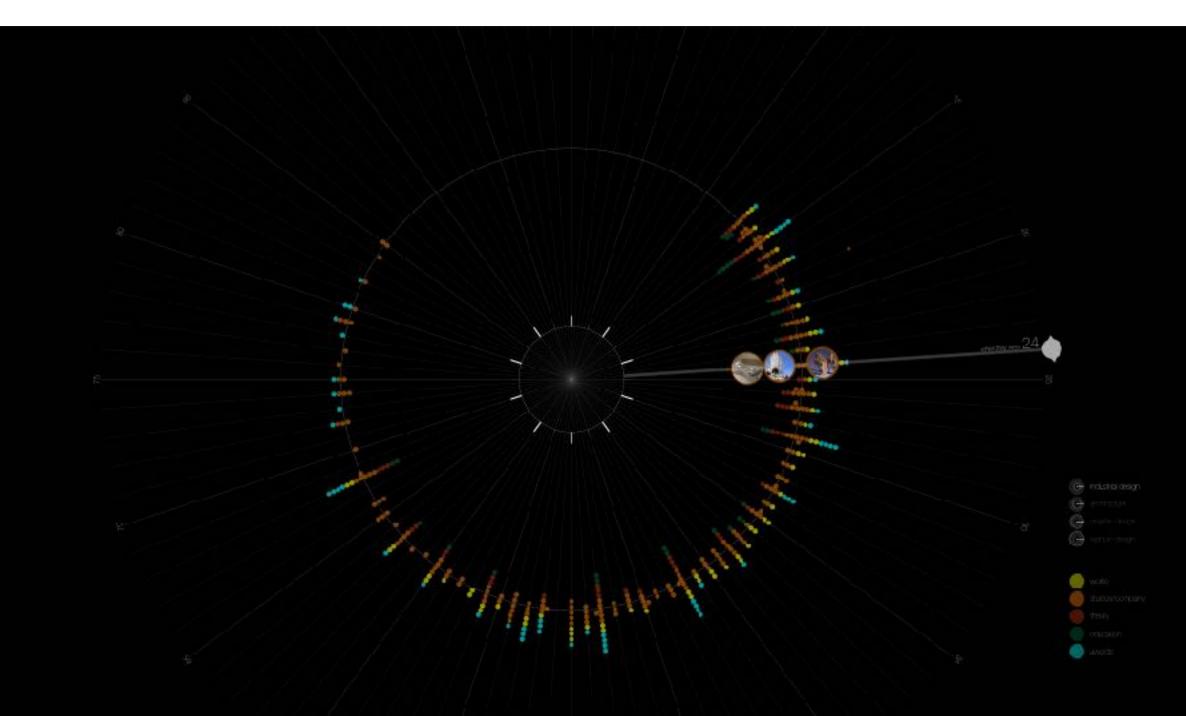




Reference: 'Talking Mat', developed by Murphy and Cameron at the University of Stirling, 2008







Every dot stand for one design event The events at your age are highlighted. Description in detail Choose certain design field and certain event (eg.only works)

feedback

want to see pictures clearly -----detail description want to know more works at the same period -----design annals •••••



Design.o

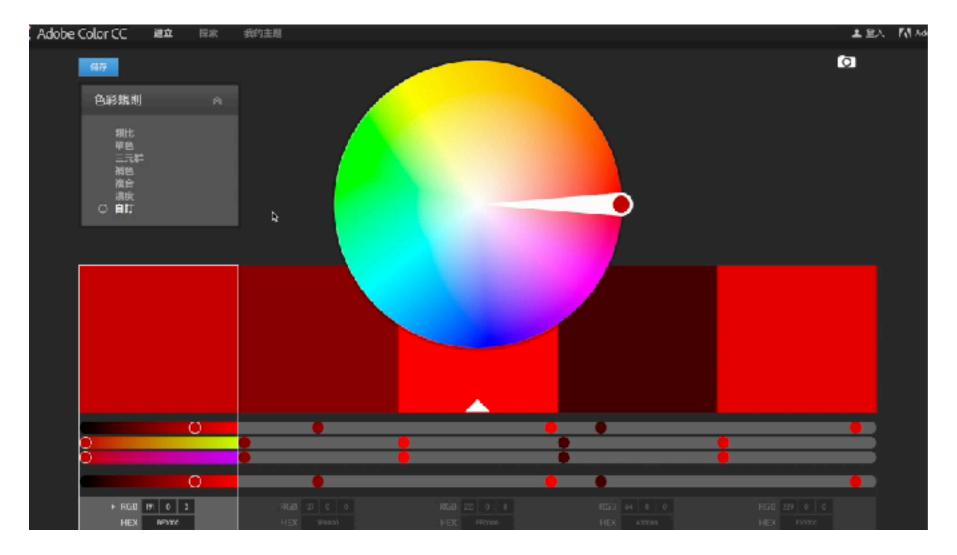
- O, circle, the main design element of the website
- O, have a whole view of design history
- O, the tone seems "I got and learn something "

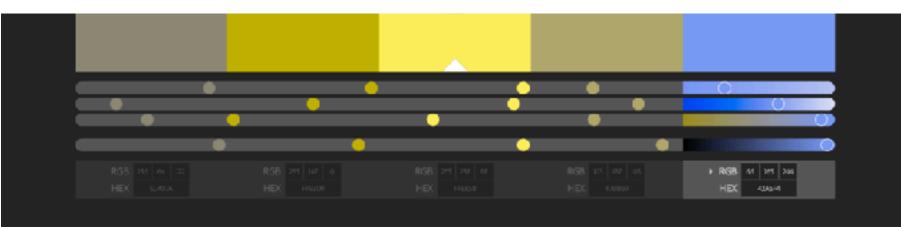




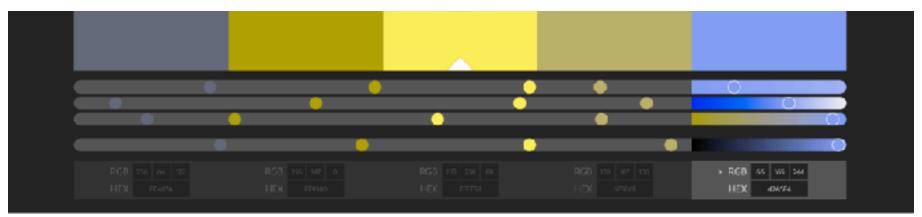
Bright and colorful colors Contrast colors Different color hue



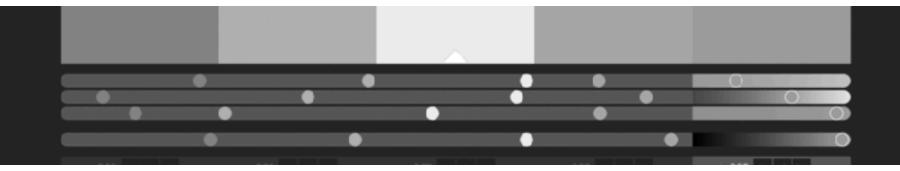




Green blind



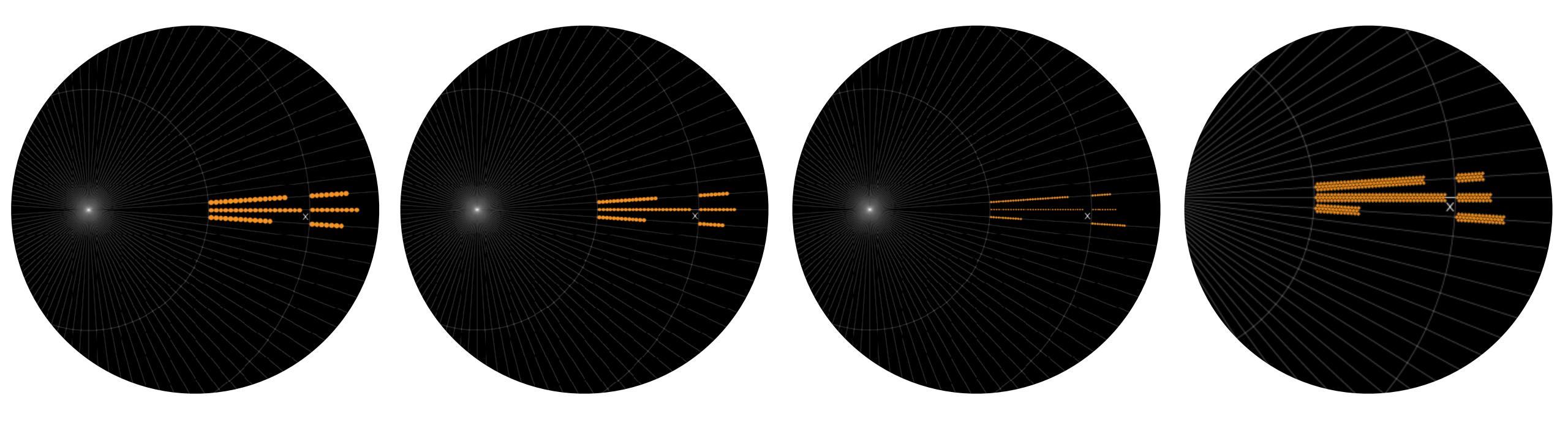
Red blind



Color blind

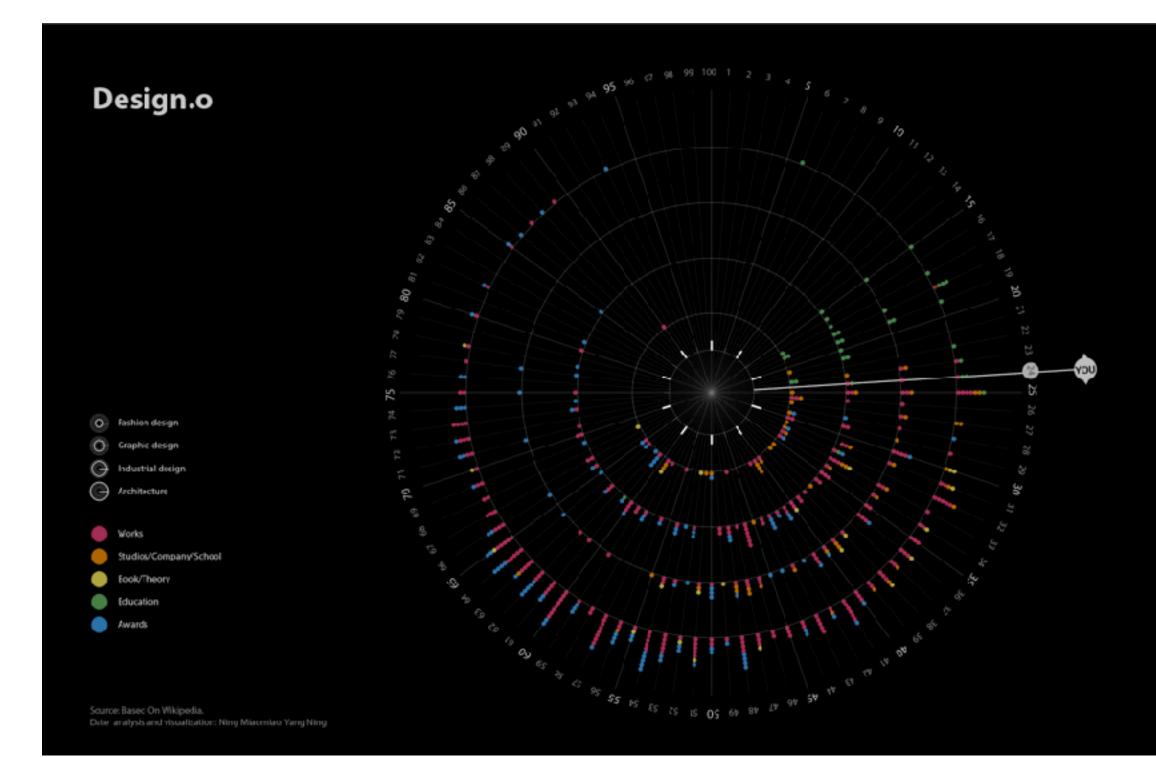


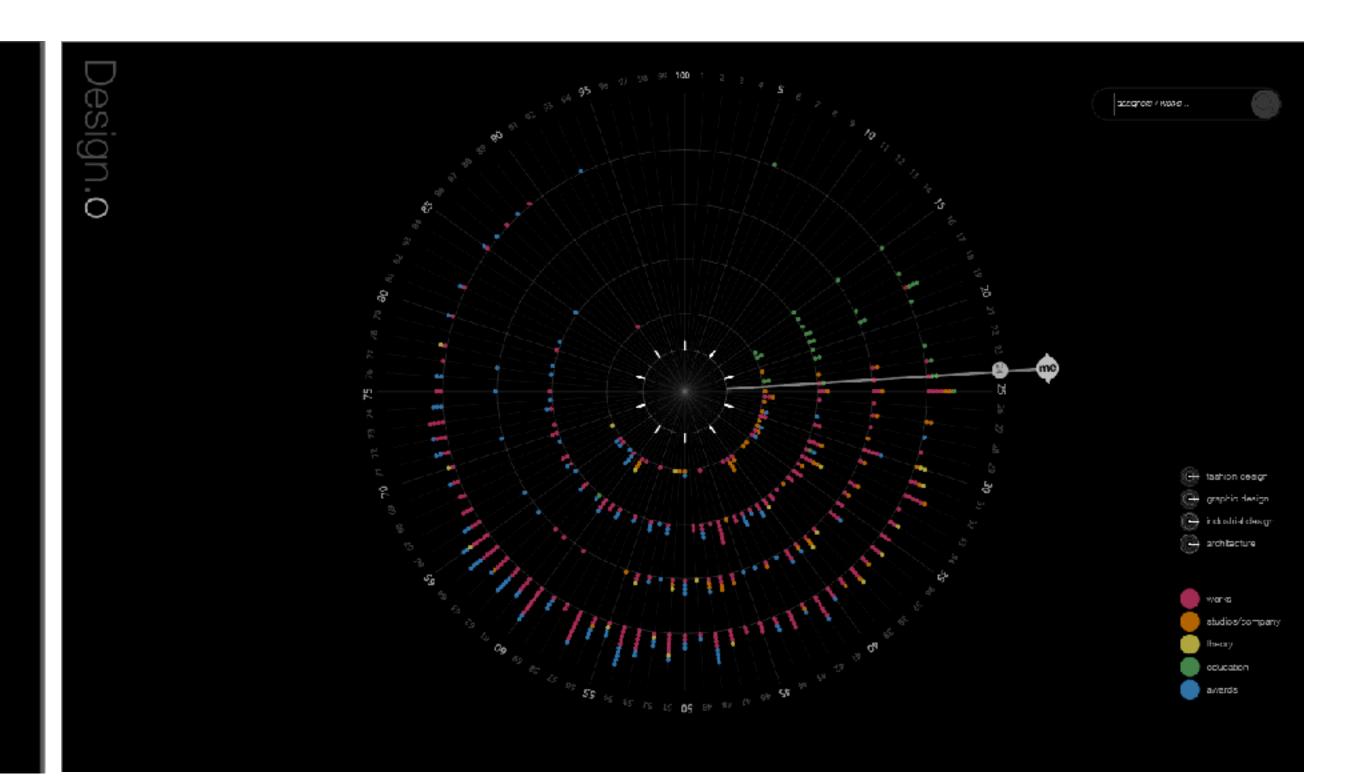
The layout of event points





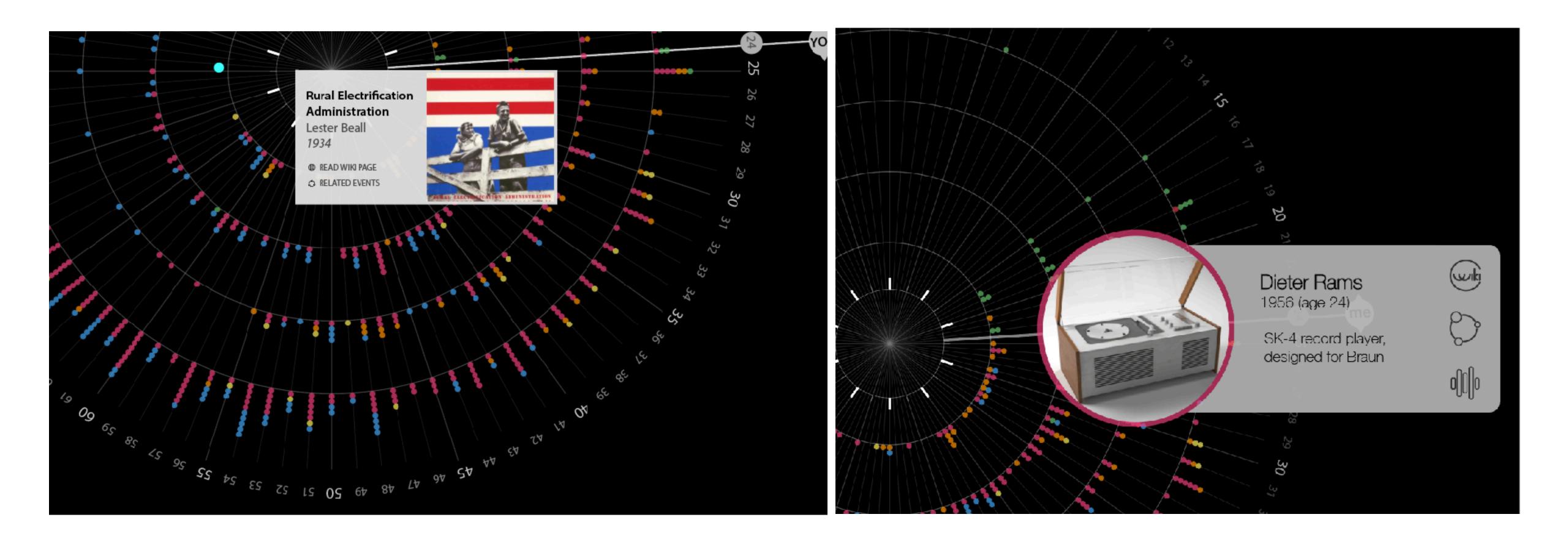
How to show the annals?





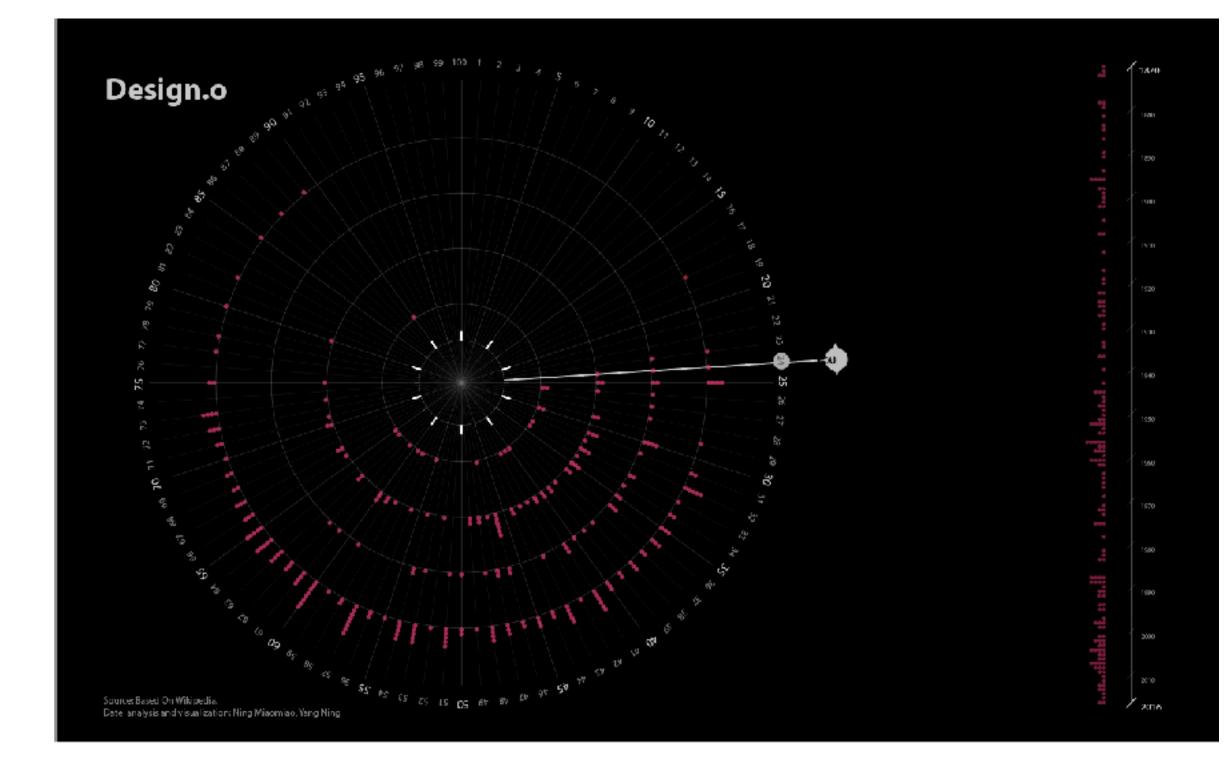


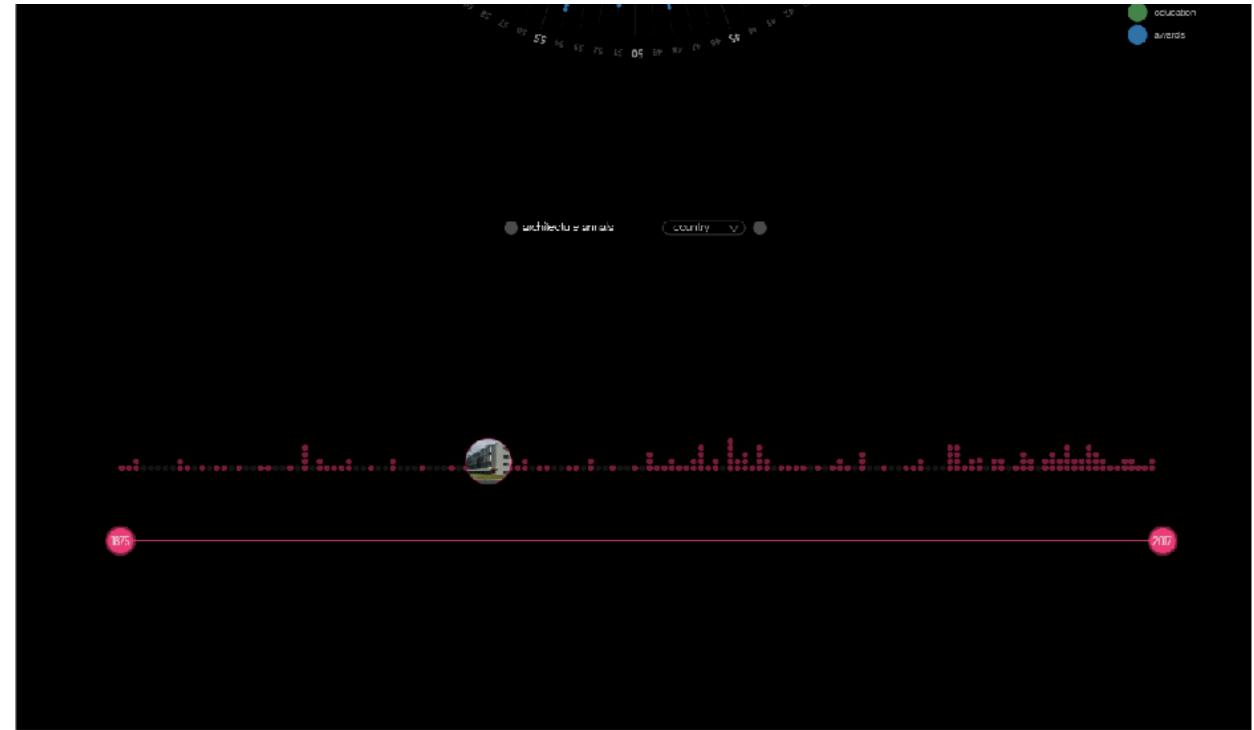
How to show the details





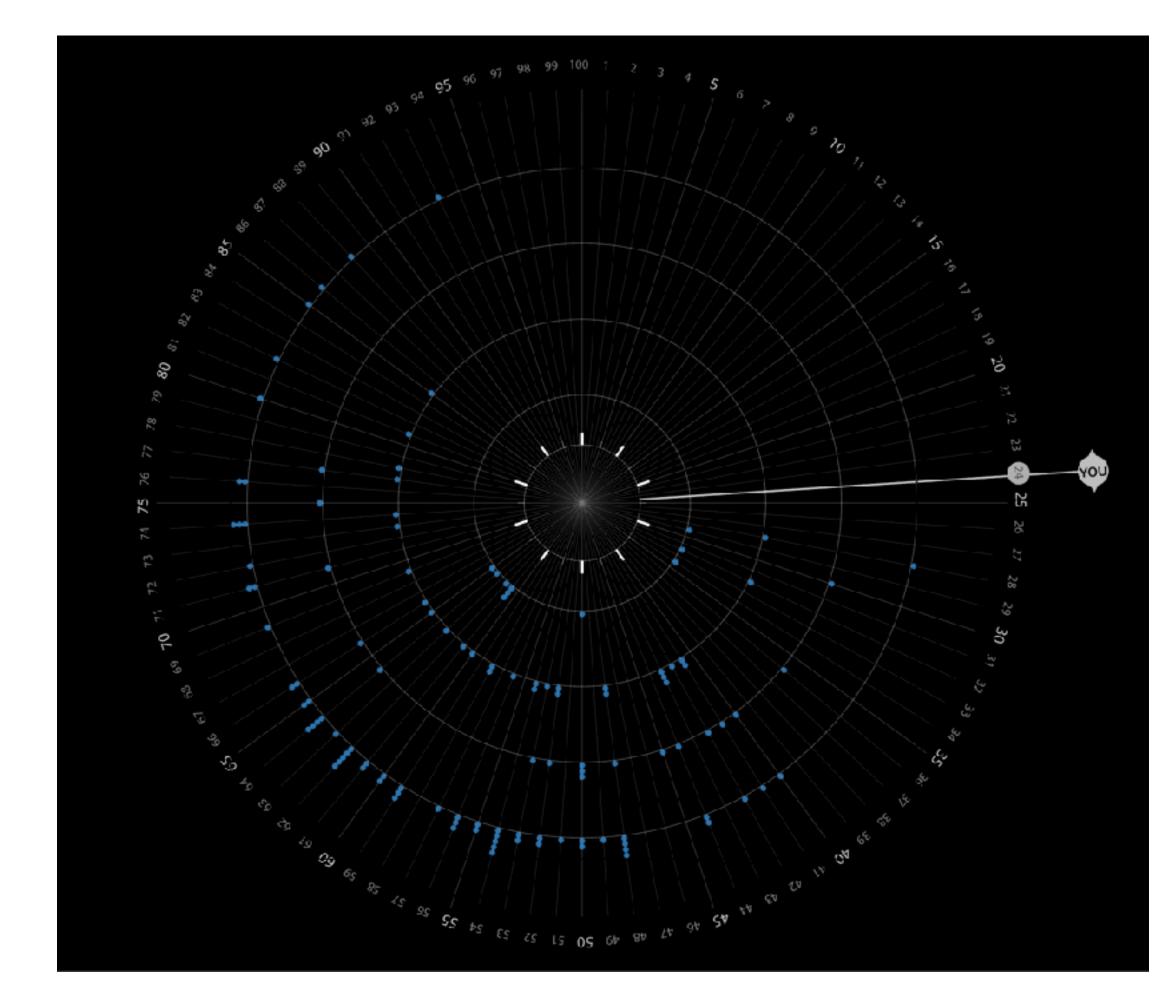
How to show the details

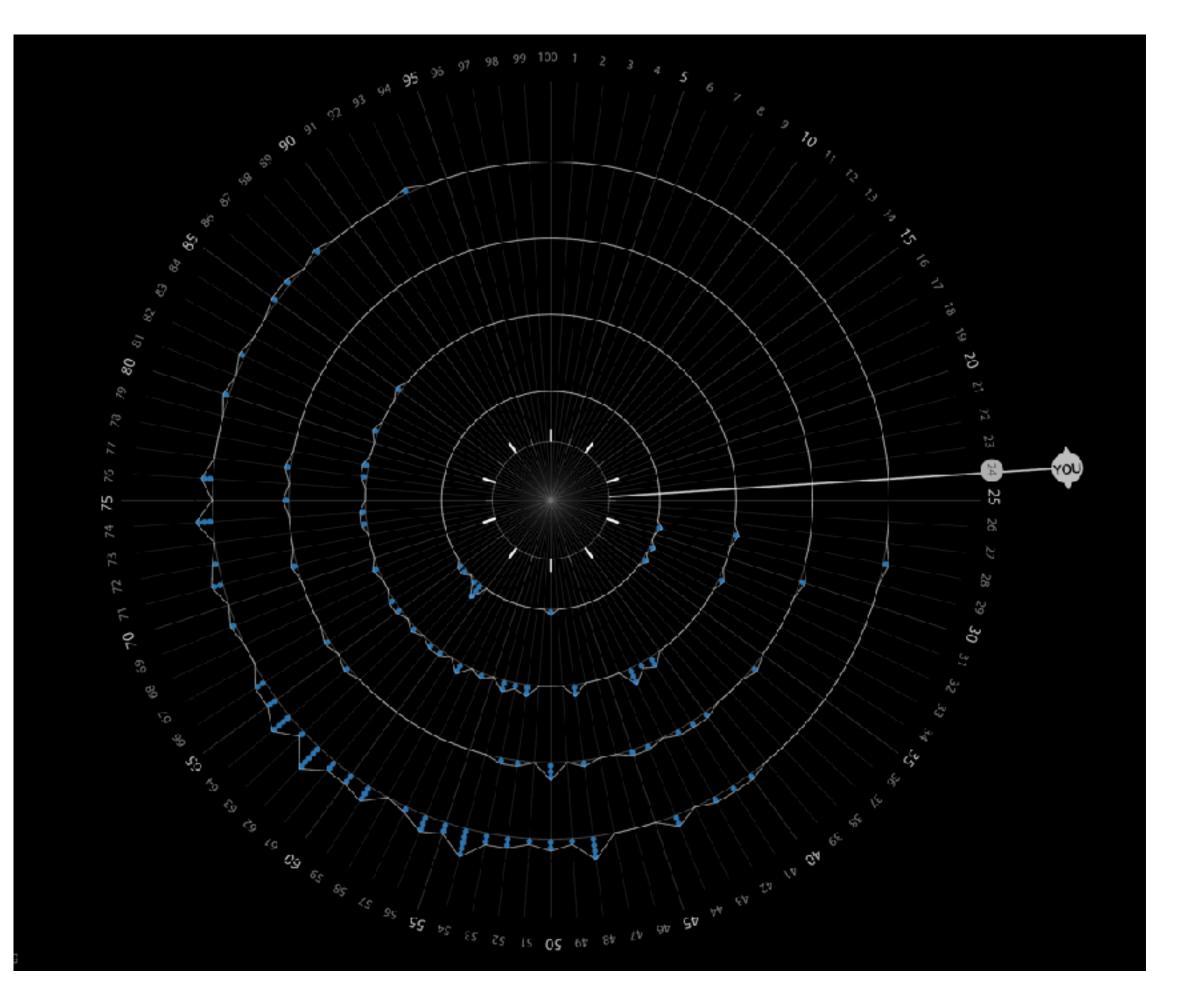














Future Work

- user evaluation
- mobil application
- realize with 3d.js

Thanks !

