

デジタル技術と言語 Digital Technology and Language

Keiko Okawa

Keio University Graduate School of Media Design

Oxford Day 2017 : Power of Language

October 22nd, 2017 (Sun)

A photograph of a group of students in a classroom or workshop setting. They are seated at tables, some looking at tablets or papers. The scene is dimly lit, with a focus on the students in the foreground. The text is overlaid on the image.

Keio University Graduate School of Media Design (KMD)

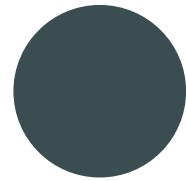
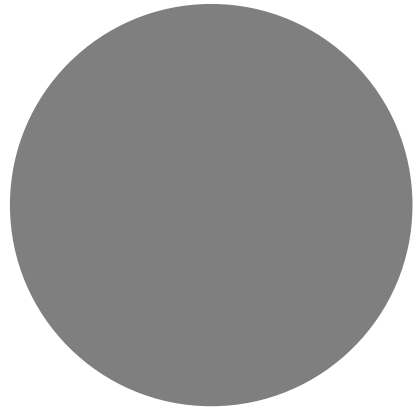
Design a global learning experience

The background of the slide is a photograph of several sheets of aged, yellowed paper with handwritten text in dark ink. The papers are arranged in a way that suggests they are part of a collection or a folder, with some pages overlapping others. The handwriting is cursive and somewhat difficult to read, but it appears to be a mix of Latin and possibly other languages. The lighting is warm, highlighting the texture of the paper.

Designing online courses for social learning

Research Institute of
Digital Media and Content
Keio University
(DMC)

2016/11/24



“文字”
characters in cyberspace

1980年代

Ohayo Gozaimasu

Kyou no kaigi ha, nanji desuka?

日本語でメール! 多国語化の始まり

Network Working Group
Request for Comments: 1468

J. Murai
Keio University
M. Crispin
Panda Programming
E. van der Poel
June 1993

Japanese Character Encoding for Internet Messages

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard. Distribution of this memo is unlimited.

Introduction

This document describes the encoding used in electronic mail [RFC822] and network news [RFC1036] messages in several Japanese networks. It was first specified by and used in JUNET [JUNET]. The encoding is now also widely used in Japanese IP communities.

The name given to this encoding is "ISO-2022-JP", which is intended to be used in the "charset" parameter field of MIME headers (see [MIME1] and [MIME2]).

1990年代～

おはようございます。

今日の会議は何時ですか？

Internet Users

Europe
105M



Asia
114M



North America
108M



Middle East
3.3M



Africa
4.5M



Oceania & Australia
120M



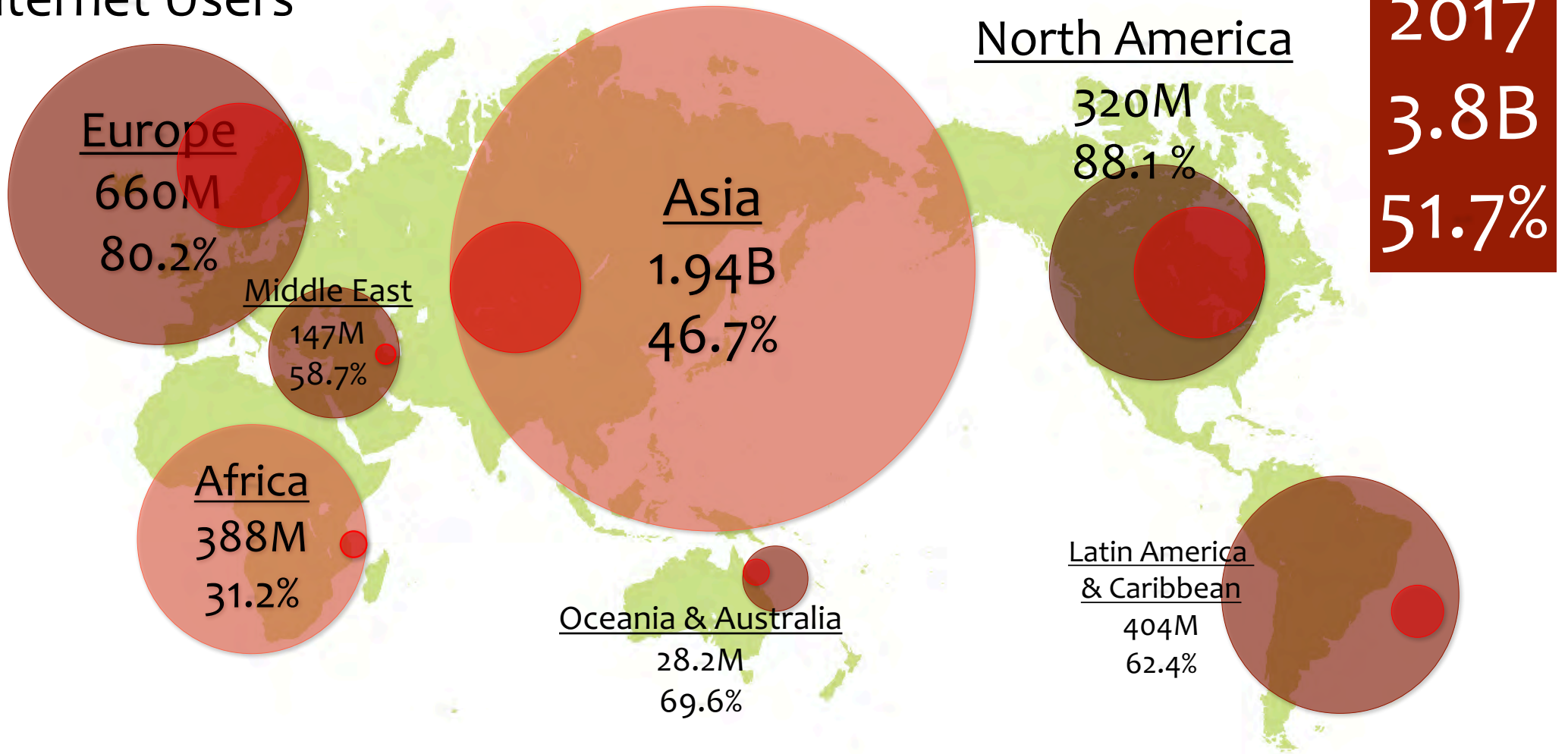
Latin America & Caribbean
18M



2000
361M
6%

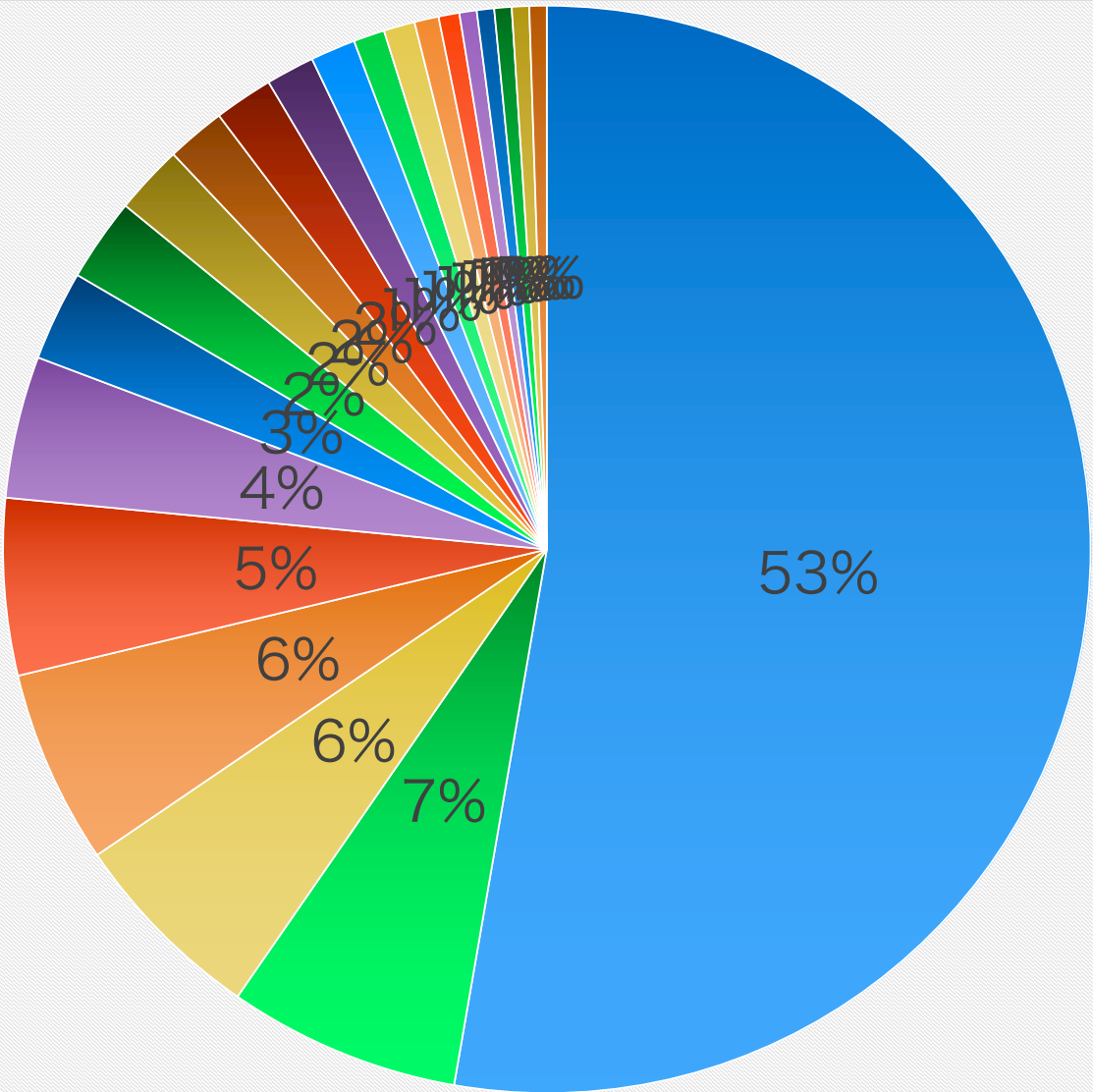
Internet World Stat: <http://www.internetworldstats.com>

Internet Users



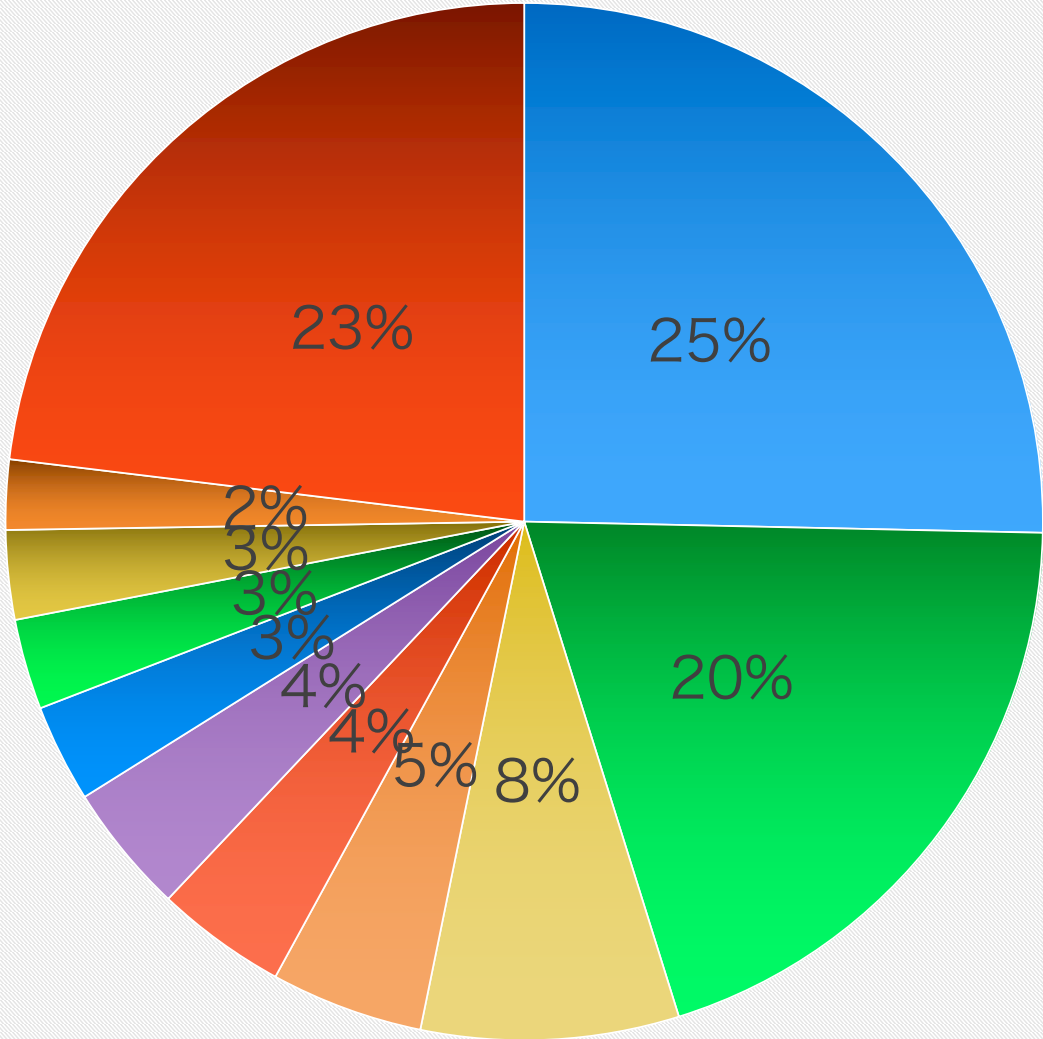
Penetration (% population)

Language used on web 2017



- English
- Russian
- Japanese
- German
- Spanish
- French
- Portuguese
- Italian
- Chinese
- Polish
- Persian

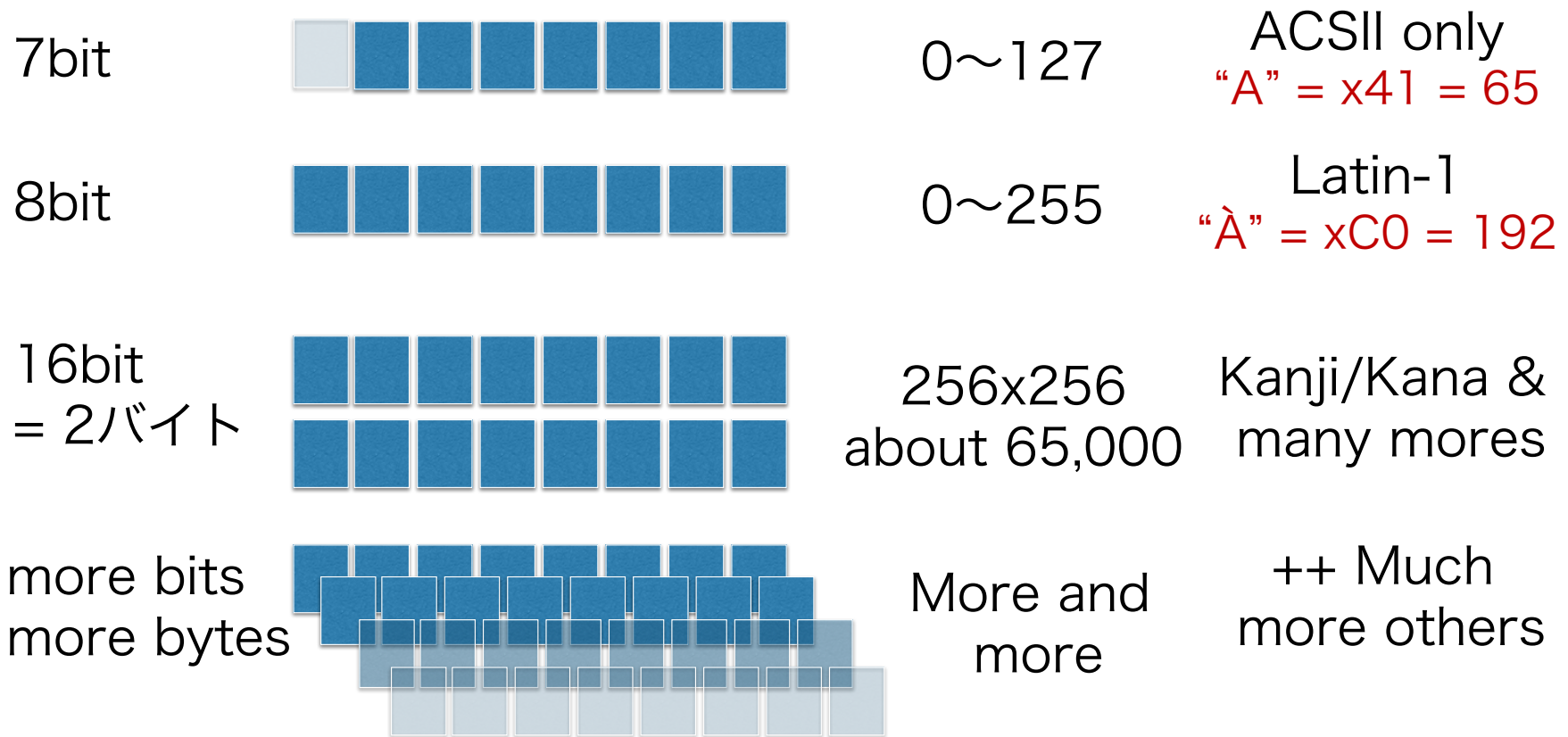
Language of the Internet users 2017



- English
- Chinese
- Spanish
- Arabic
- Portuguese
- Indonesian / Malaysian
- Japanese
- Russian
- French
- German
- Rest of the Languages

7 → 8 → 16 → more

世界中のシステムの国際化



7bit ASCII

8bit Latin-1

	000	001	002	003	004	005	006	007
0	NUL 0000	DLE 0010	SP 0020	0 0030	@ 0040	P 0050	` 0060	p 0070
1	SOH 0001	DC1 0011	! 0021	1 0031	A 0041	Q 0051	a 0061	q 0071
2	STX 0002	DC2 0012	" 0022	2 0032	B 0042	R 0052	b 0062	r 0072
3	ETX 0003	DC3 0013	# 0023	3 0033	C 0043	S 0053	c 0063	s 0073
4	EOT 0004	DC4 0014	\$ 0024	4 0034	D 0044	T 0054	d 0064	t 0074
5	ENQ 0005	NAK 0015	% 0025	5 0035	E 0045	U 0055	e 0065	u 0075
6	ACK 0006	SYN 0016	& 0026	6 0036	F 0046	V 0056	f 0066	v 0076
7	BEL 0007	ETB 0017	' 0027	7 0037	G 0047	W 0057	g 0067	w 0077
8	BS 0008	CAN 0018	(0028	8 0038	H 0048	X 0058	h 0068	x 0078
9	HT 0009	EM 0019) 0029	9 0039	I 0049	Y 0059	i 0069	y 0079
A	LF 000A	SUB 001A	* 002A	: 003A	J 004A	Z 005A	j 006A	z 007A
B	VT 000B	ESC 001B	+ 002B	; 003B	K 004B	[005B	k 006B	{ 007B
C	FF 000C	FS 001C	, 002C	< 003C	L 004C	\ 005C	l 006C	 007C
D	CR 000D	GS 001D	- 002D	= 003D	M 004D] 005D	m 006D	} 007D
E	SO 000E	RS 001E	. 002E	> 003E	N 004E	^ 005E	n 006E	~ 007E
F	SI 000F	US 001F	/ 002F	? 003F	O 004F	_ 005F	o 006F	DEL 007F

	008	009	00A	00B	00C	00D	00E	00F
0	XXX 0080	DCS 0090	NB SP 00A0	o 00B0	À 00C0	Đ 00D0	à 00E0	đ 00F0
1	XXX 0081	PU1 0091	i 00A1	± 00B1	Á 00C1	Ñ 00D1	á 00E1	ñ 00F1
2	BPH 0082	PU2 0092	ç 00A2	2 00B2	Â 00C2	Ò 00D2	â 00E2	ò 00F2
3	NBH 0083	STS 0093	£ 00A3	3 00B3	Ã 00C3	Ó 00D3	ã 00E3	ó 00F3
4	IND 0084	CCH 0094	¤ 00A4	' 00B4	Ä 00C4	Ô 00D4	ä 00E4	ô 00F4
5	NEL 0085	MW 0095	¥ 00A5	µ 00B5	Å 00C5	Õ 00D5	å 00E5	õ 00F5
6	SSA 0086	SPA 0096	 00A6	¶ 00B6	Æ 00C6	Ö 00D6	æ 00E6	ö 00F6
7	ESA 0087	EPA 0097	§ 00A7	· 00B7	Ç 00C7	× 00D7	ç 00E7	÷ 00F7
8	HTS 0088	SOS 0098	¨ 00A8	¸ 00B8	È 00C8	Ø 00D8	è 00E8	ø 00F8
9	HTJ 0089	XXX 0099	© 00A9	1 00B9	É 00C9	Ù 00D9	é 00E9	ù 00F9
A	VTS 008A	SCI 009A	ª 00AA	º 00BA	Ê 00CA	Ú 00DA	ê 00EA	ú 00FA
B	PLD 008B	CSI 009B	« 00AB	» 00BB	Ë 00CB	Û 00DB	ë 00EB	û 00FB
C	PLU 008C	ST 009C	¬ 00AC	¼ 00BC	Ì 00CC	Ü 00DC	ì 00EC	ü 00FC
D	RI 008D	OSC 009D	SHY 00AD	½ 00BD	Í 00CD	Ý 00DD	í 00ED	ý 00FD
E	SS2 008E	PM 009E	® 00AE	¾ 00BE	Î 00CE	Þ 00DE	î 00EE	þ 00FE
F	SS3 008F	APC 009F	¯ 00AF	¿ 00BF	Ï 00CF	ß 00DF	ï 00EF	ÿ 00FF

文字と文字コード

- ・ JIS X 0208, JIS X 0212, JIS X 0221, or JIS X 0213
- ・ GB (Simplified Chinese)
- ・ Big5 (Traditional Chinese)

などなど世界「各国」で標準化が進んでいったが・・・
多国語対応どうするの？

国ごとの調整



グローバルな調整

国内標準 >> 国際標準:ISO >>>> グローバル標準:UNICODE

Unicode

covers all the characters for all the writing systems of the world, modern and ancient.

1993(ver1.0) ~ 2017(ver10.0)

21 bits code space= 可能な文字数：約210,000

HEX	C	J	K	V	HEX	C	J	K	V
4E00 - 1.0	一	一	一	一	4E14 - 1.4	且	且	且	且
4E01 - 1.1	丁	丁	丁	丁	4E15 - 1.4	丕	丕	丕	丕
4E02 - 1.1	丂	丂	丂	丂	4E16 - 1.4	世	世	世	世
4E03 - 1.1	七	七	七	七	4E17 - 1.3	卅	卅	卅	卅
4E04 - 1.1	上	上	上	上	4E18 - 1.4	丘	丘	丘	丘
4E05 - 1.1	丌	丌	丌	丌	4E19 - 1.4	丙	丙	丙	丙
4E06 - 1.1	丌			丌	4E1A - 1.4	业	业		
4E07 - 1.2	万	万	万	万	4E1B - 1.4	丛	丛		
4E08 - 1.2	丈	丈	丈	丈	4E1C - 1.4	东	东		
4E09 - 1.2	三	三	三	三	4E1D - 1.4	丝			
4E0A - 1.2	上	上	上	上	4E1E - 1.5	丞	丞	丞	丞
4E0B - 1.2	下	下	下	下	4E1F - 1.5	丢	丢	丢	丢
4E0C - 1.2	丌	丌	丌	丌	4E20 - 1.5	北	北		
4E0D - 1.3	丌	丌	丌	丌	4E21 - 1.5	両	両	両	両
4E0E - 1.3	与	与	与	与	4E22 - 1.5	丢	丢		丢
4E0F - 1.3	丂	丂	丂	丂	4E23 - 1.6	丌	丌	丌	丌
4E10 - 1.3	丂	丂	丂	丂	4E24 - 1.6	两	两	两	两
4E11 - 1.3	丑	丑	丑	丑	4E25 - 1.6	严	严		
4E12 - 1.3	刃	刃	刃	刃	4E26 - 1.7	並	並	並	並
4E13 - 1.3	专				4E27 - 1.7	丧			

HEX	C	J	K	V	HEX	C	J	K	V
51C0 15.6	净	净			51D4 15.10	滄	滄	滄	滄
51C1 15.7	凜	凜	凜		51D5 15.10	溟	溟	溟	溟
51C2 15.7	浼	浼	浼	浼	51D6 15.10	準	準	準	準
51C3 15.7	涂	涂	涂	涂	51D7 15.11	漼	漼	漼	漼
51C4 15.8	凄	凄	凄	凄	51D8 15.12	澌	澌	澌	澌
51C5 15.8	涸	涸	涸	涸	51D9 15.13	澤	澤	澤	澤
51C6 15.8	淮	淮	淮	淮	51DA 15.13	濼	濼	濼	濼
51C7 15.8	凇	凇	凇		51DB 15.13	凇	凇	凇	凇
51C8 15.8	淨	淨	淨	淨	51DC 15.13	凜	凜	凜	凜
51C9 15.8	凉	凉	凉	凉	51DD 15.14	凝	凝	凝	凝
51CA 15.8	清	清	清	清	51DE 15.14	灏	灏	灏	灏
51CB 15.8	凋	凋	凋	凋	51DF 15.15	瀆	瀆	瀆	瀆
51CC 15.8	凌	凌	凌	凌	51E0 16.0	几	几	几	几
51CD 15.8	凍	凍	凍	凍	51E1 16.1	凡	凡	凡	凡
51CE 15.8	凼	凼	凼	凼	51E2 16.1	凡	凡	凡	凡
51CF 15.9	減	減	減	減	51E3 16.1	凡	凡	凡	凡
51D0 15.9	湮	湮	湮	湮	51E4 16.1	凡	凡	凡	凡
51D1 15.9	湊	湊	湊	湊	51E5 16.3	尻	尻	尻	尻
51D2 15.10	澁	澁	澁	澁	51E6 16.3	処	処	処	処
51D3 15.10	凜	凜	凜	凜	51E7 16.3	凞	凞	凞	凞

HEX	C	J	K	V	HEX	C	J	K	V
51C0 15.6	净	净			51D4 15.10	滄	滄	滄	滄
51C1 15.7	凜	凜	凜		51D5 15.10	溟	溟	溟	溟
51C2 15.7	浼	浼	浼	浼	51D6 15.10	準	準	準	準
51C3 15.7	涂	涂	涂	涂	51D7 15.11	漼	漼	漼	漼
51C4 15.8	凄	凄	凄	凄	51D8 15.12	澌	澌	澌	澌
51C5 15.8	涸	涸	涸	涸	51D9 15.13	澤	澤	澤	澤
51C6 15.8	淮	淮	淮	淮	51DA 15.13	濼	濼	濼	濼
51C7 15.8	凇	凇	凇		51DB 15.13	凇	凇	凇	凇
51C8 15.8	淨	淨	淨	淨	51DC 15.13	凜	凜	凜	凜
51C9 15.8	凉	凉	凉	凉	51DD 15.14	凝	凝	凝	凝
51CA 15.8	清	清	清	清	51DE 15.14	灏	灏	灏	灏
51CB 15.8	凋	凋	凋	凋	51DF 15.15	瀆	瀆	瀆	瀆
51CC 15.8	凌	凌	凌	凌	51E0 16.0	几	几	几	几
51CD 15.8	凍	凍	凍	凍	51E1 16.1	凡	凡	凡	凡
51CE 15.8	凼	凼	凼	凼	51E2 16.1	凡	凡	凡	凡
51CF 15.9	減	減	減	減	51E3 16.1	凡	凡	凡	凡
51D0 15.9	湮	湮	湮	湮	51E4 16.1	凡	凡	凡	凡
51D1 15.9	湊	湊	湊	湊	51E5 16.3	尻	尻	尻	尻
51D2 15.10	澁	澁	澁	澁	51E6 16.3	処	処	処	処
51D3 15.10	凜	凜	凜	凜	51E7 16.3	凞	凞	凞	凞

HEX	C	J	K	V	HEX	C	J	K	V
51C0 15.6	净	净			51D4 15.10	滄	滄	滄	滄
51C1 15.7	凜	凜	凜		51D5 15.10	溟	溟	溟	溟
51C2 15.7	浼	浼	浼	浼	51D6 15.10	準	準	準	準
51C3 15.7	涂	涂	涂	涂	51D7 15.11	漼	漼	漼	漼
51C4 15.8	凄	凄	凄	凄	51D8 15.12	澌	澌	澌	澌
51C5 15.8	涸	涸	涸	涸	51D9 15.13	澤	澤	澤	澤
51C6 15.8	淮	淮	淮	淮	51DA 15.13	濼	濼	濼	濼
51C7 15.8	凇	凇	凇		51DB 15.13	凇	凇	凇	凇
51C8 15.8	淨	淨	淨	淨	51DC 15.13	凜	凜	凜	凜
51C9 15.8	凉	凉	凉	凉	51DD 15.14	凝	凝	凝	凝
51CA 15.8	清	清	清	清	51DE 15.14	灏	灏	灏	灏
51CB 15.8	凋	凋	凋	凋	51DF 15.15	瀆	瀆	瀆	瀆
51CC 15.8	凌	凌	凌	凌	51E0 16.0	几	几	几	几
51CD 15.8	凍	凍	凍	凍	51E1 16.1	凡	凡	凡	凡
51CE 15.8	凼	凼	凼	凼	51E2 16.1	凡	凡	凡	凡
51CF 15.9	減	減	減	減	51E3 16.1	凡	凡	凡	凡
51D0 15.9	湮	湮	湮	湮	51E4 16.1	凡	凡	凡	凡
51D1 15.9	湊	湊	湊	湊	51E5 16.3	尻	尻	尻	尻
51D2 15.10	澁	澁	澁	澁	51E6 16.3	処	処	処	処
51D3 15.10	凜	凜	凜	凜	51E7 16.3	凞	凞	凞	凞

Unicode (ver1.0)
CJK!

	1B00	1B01	1B02	1B03	1B04	1B05	1B06	1B07	1B08	1B09	1B0A	1B0B	1B0C	1B0D	1B0E	1B0F
0	フ	縁	香	皇	皇	頂	上	傳	奈	ぬ	窈	不	不	む	那	ら
1	江	衣	駕	教	為	以	尚	天	未	忽	波	娘	皇	皇	那	利
2	あ	し	家	命	斜	老	子	下	有	皇	希	乃	年	粒	和	
3	壹	壹	壹	今	沙	戈	地	乏	菜	手	忠	倍	末	孫	游	李
4	阿	於	築	希	之	世	智	面	那	以	破	繫	史	免	由	梨
5	忘	於	幾	象	一	勢	刻	乏	凡	根	者	契	海	面	也	理
6	以	隨	又	計	事	聲	古	持	難	於	尤	面	每	可	好	里
7	伊	佳	本	幸	回	示	致	大	母	祿	蔡	逸	常	母	代	離
8	定	加	新	亦	志	派	逢	度	二	子	泐	迎	麻	毛	年	流
9	悔	可	堂	庭	祈	管	川	東	仁	乃	如	八	之	毛	子	齒
A	字	う	起	許	川	乃	心	登	兜	諾	日	保	湖	も	与	留
B	亨	嘉	久	初	喜	楚	津	燈	尔	孔	比	海	其	茂	与	冫
C	画	永	之	正	数	孫	却	碩	下	托	避	招	另	崇	解	不
D	有	歛	九	佳	如	受	片	亦	了	若	性	華	み	中	羅	類
E	壹	賀	從	法	喜	堂	亭	南	而	ハ	飛	寶	見	や	良	禮
F	壹	采	泡	吉	屯	彖	任	名	努	半	心	本	牙	屋	良	礼

	319
0	丨
1	レ
2	一
3	二
4	三
5	四
6	上
7	中
8	下
9	甲
A	乙
B	丙
C	丁
D	天
E	地
F	人



	1F60	1F61	1F62	1F63	1F64
0	😬	😬	😬	😬	😬
1	😬	😬	😬	😬	😬
2	😬	😬	😬	😬	😬
3	😬	😬	😬	😬	😬
4	😬	😬	😬	😬	😬
5	😬	😬	😬	😬	😬
6	😬	😬	😬	😬	😬
7	😬	😬	😬	😬	😬
8	😬	😬	😬	😬	😬
9	😬	😬	😬	😬	😬
A	😬	😬	😬	😬	😬
B	😬	😬	😬	😬	😬
C	😬	😬	😬	😬	😬
D	😬	😬	😬	😬	😬
E	😬	😬	😬	😬	😬
F	😬	😬	😬	😬	😬

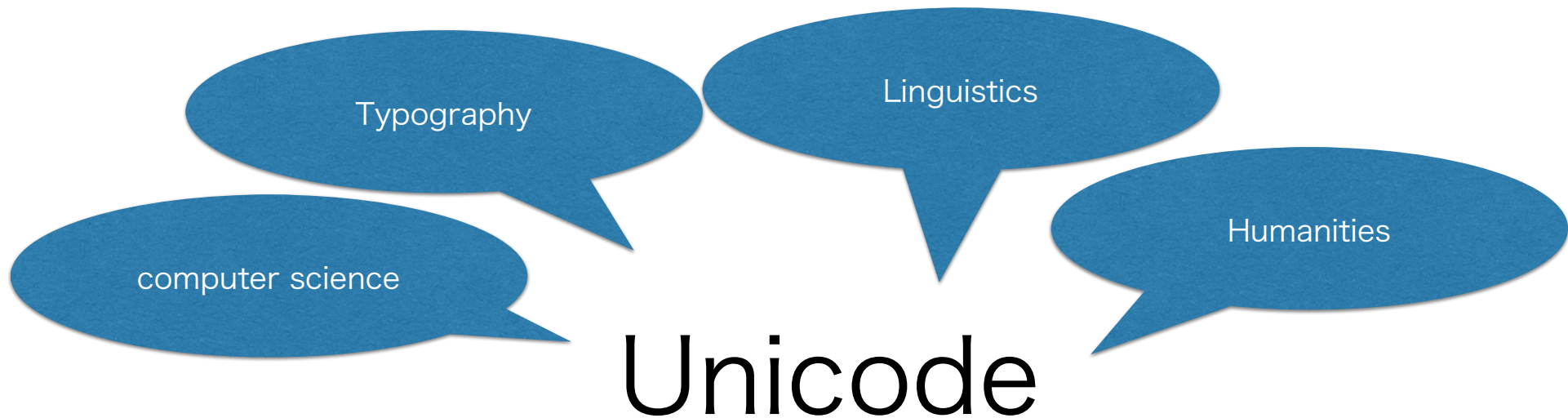
Unicode

変体仮名
訓点
絵文字
まで

2000年代～

おはようございます。
谢谢

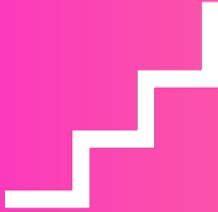
```
0000000  お ** ** は ** ** よ ** ** う ** ** ご ** ** ざ  
          81e3  e38a  af81  82e3  e388  8681  81e3  e394  
0000020  ** ** い ** ** ま ** ** す ** ** 。 ** ** ¥n 谢  
          9681  81e3  e384  be81  81e3  e399  8280  e80a  
0000040  ** ** 谢 ** ** ¥n  
          a2b0  b0e8  0aa2
```



covers all the characters for all the writing systems of the world, modern and ancient.

1993(ver1.0) ~ 2017(ver10.0)

21 bits code space= 可能な文字数：約210,000



Future
Learn

1898



From Wikipedia

2017

インターネット(2017春) 01
— ようこそ「インターネット」へ —
聖光学院大学 経済情報学部
11月14日 第1講義

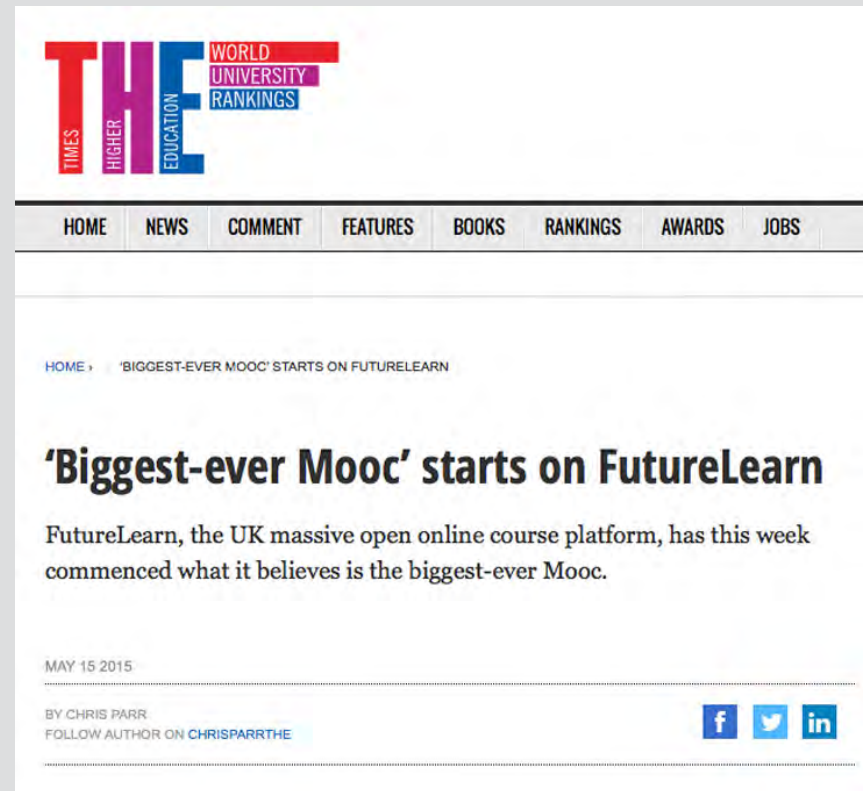
MOOC

Massive Open Online Course

440,000 Joiners!



The screenshot shows the BBC News website's Education section. At the top, there is a navigation bar with the BBC logo, a 'Sign in' button, and links for News, Sport, Weather, iPlayer, TV, and Radio. Below this is a red 'NEWS' banner with sub-links for Home, UK, World, Business, Politics, Tech, Science, Health, and Education. The 'Education' link is highlighted. Underneath, there is a sub-link for 'School Report'. The main headline is 'UK 'biggest online university course'' by Sean Coughlan, an Education correspondent. The article is dated 13 May 2015 and is categorized under 'Education & Family'. A photograph of a woman sitting at a desk with a laptop is visible at the bottom of the article preview.



The screenshot shows the 'The Times Higher Education World University Rankings' website. The logo features the words 'THE TIMES HIGHER EDUCATION' in a stylized font, with 'WORLD UNIVERSITY RANKINGS' in a separate box. A navigation bar includes links for HOME, NEWS, COMMENT, FEATURES, BOOKS, RANKINGS, AWARDS, and JOBS. The 'RANKINGS' link is highlighted. Below the navigation bar, there is a breadcrumb trail: 'HOME > 'BIGGEST-EVER MOOC' STARTS ON FUTURELEARN'. The main headline is ''Biggest-ever Mook' starts on FutureLearn'. The sub-headline reads: 'FutureLearn, the UK massive open online course platform, has this week commenced what it believes is the biggest-ever Mook.' The article is dated 'MAY 15 2015' and is written by 'CHRIS PARR'. A link to 'FOLLOW AUTHOR ON CHRISPARRTHE' is provided. Social media icons for Facebook, Twitter, and LinkedIn are located at the bottom right of the article preview.



2012



2012



2012



2012

Open Educational Resource

オープンな教育資源

- ・ パブリックドメインあるいは無料で再構成を含む利用が許可された教育目的（学ぶ、教える、研究する）の資源
- ・ 授業、授業資料、学習モジュール、教科書、ビデオ、テスト、ソフトウェア、ツール、素材等、形にとらわれず、「知識」へのアクセスを支援するためのあらゆる資源
- ・ 2002年7月 UNESCOの会議@パリの最終レポートで定義が登場
“Forum on the Impact of Open Courseware for Higher Education in Developing Countries”

Open Educational

オープンな教育

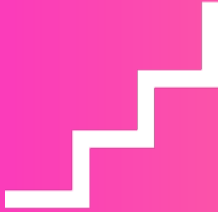
- ・ 知識や知見は皆で共有すべき、という考え方。
- ・ 共有すること・分かち合うことは、“Education”の最も基本とするところだろう。
- ・ “Education”とは、知識、発見したこと、持っている情報などを、他人と分かち合うこと。それを通して、さらに新しい知識、スキル、アイデア、理解が構築されるのだ！
- ・ テクノロジーが可能にしてくれた！

<http://www.oecconsortium.org/>

Social Learning

ソーシャルラーニング

- ・ 例えば…
 - ・ ピアが学ぶ様子を見ながら学ぶ
 - ・ ピアから知識を得る
 - ・ ピアに教えながら学ぶ
 - ・ 知識・アイデア・情報を共有する
 - ・ 会話を通して学ぶ
 - ・ メンターが明示的に会話を誘導
 - ・ 共に造る
 - ・ より深く理解している人たちとの会話をとおして学ぶ

A white icon of a staircase with three steps, positioned to the left of the text.

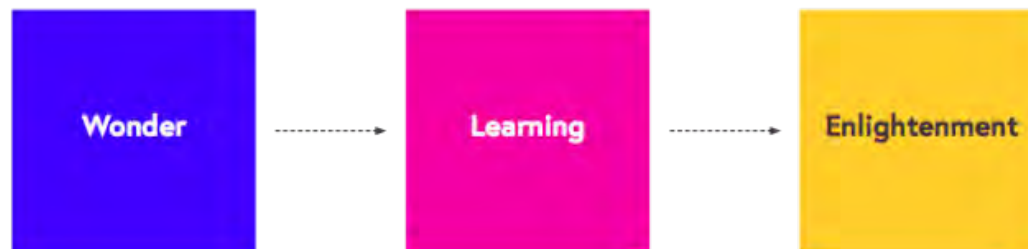
Future
Learn

LEARNING DESIGN @ FL

STORYTELLING

PROVOKING CONVERSATIONS

CELEBRATING PROGRESS



SOCIAL LEARNING
BIG QUESTION &
SMALL STEPS

歴史は誰のもの？

Who owns the history?

なぜ我々は
年をとるのか？

Why do we age?

気候変動は
どうやったら見える？

How do we watch climate change happen?

あなたにとって
自由とは何か？

What does freedom mean to you?

心とは何か？

What is a mind?

STEPS IN 10 MINUTES

Article

Video/Audio

Discussion

Quiz

Test

Exercise



Our first FutureLearn Course
Japanese Culture Through Rare Books

Keio University

2016/11/24

47

The Course Outline



WEEK 1:
THE RELATIONSHIP BETWEEN VISUAL APPEARANCE AND
CONTENT IN JAPANESE BOOKS
17 steps (11 video steps)



WEEK 2:
MANUSCRIPTS AND ILLUSTRATED VERSIONS OF THE JAPANESE
CLASSICS
19 steps (11 video steps)



WEEK 3:
SCHOLARSHIP AND PUBLISHING IN THE EDO PERIOD
19 steps (8 video steps)

2016/11/24

Week 1 Starting Activity

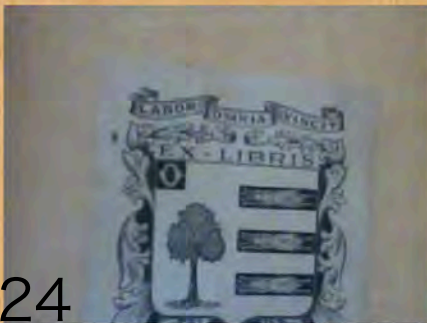
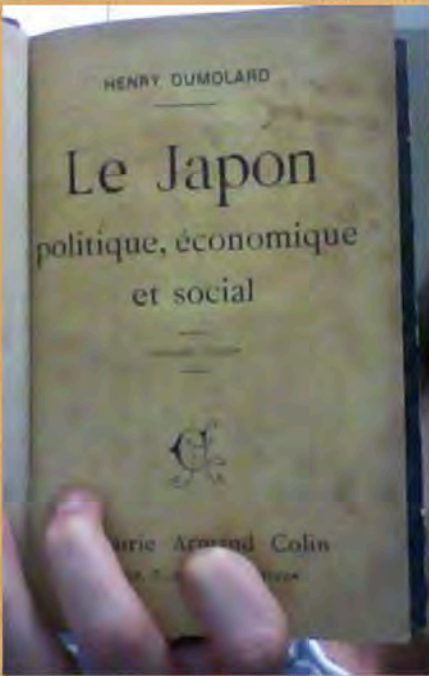
What is the oldest
book in your house?

Share your photo and story on
padlet

2016/11/24



A collection of literature classics. From "One Thousand and One Nights" to "War and Peace", this collection of Vergara Editors came to my hands almost 9 years ago. They were from my Grandfather and my grandmother allowed me to keep them. They date from 1935 and were printed in Barcelona, Spain. In them I have not only found marvellous histories but also a strong bond and admiration towards my grandfather.



British Samurai.

I do not own many books that you would class as 'old' because since my move to Japan I have left most of my reading material at home, in the UK.

I do have this book though, it's called 'SAMURAI WILLIAM - The Adventurer Who Unlocked Japan' written by Giles Milton.

It is roughly four hundred pages long and being published in 2002 it uses a more modern style of binding, which you will see in many modern books. The binding and type face have no special techniques behind them so there are no real unique features with this book, apart from the discoloration of the pages and the history behind the story.

The story itself is highly recommendable. It is set in the 1600's

hidden treasures within.



British Samurai

I do not own many books that you would class as 'old' because since I move to Japan I have left most of reading material at home, in the UK.

I do have this book though, it's called 'SAMURAI WILLIAM - The Adventurer Who Unlocked Japan' written by Giles Milton.

It is roughly four hundred pages long and being published in 2002 it uses a more modern style of binding, which you will see in many modern books. The binding and type face have no special techniques behind them so there are no real unique features with this book, apart from the discoloration of the pages and the history behind the story.

The story itself is highly recommendable. It is set in the 1600's and it is based on the real life accounts of William Adams, an English mariner that goes on a voyage and ends up becoming a native of Japan. As he is one of only a handful

2016/11/24

Week3 Starting Activity

What it shows?

この絵は何だと思う？ ここから
日本の文化について思ったことを
コメントしてみてください。

What do you see in this picture?

What kind of story about Japanese
culture can you tell from this picture?

2016/11/24

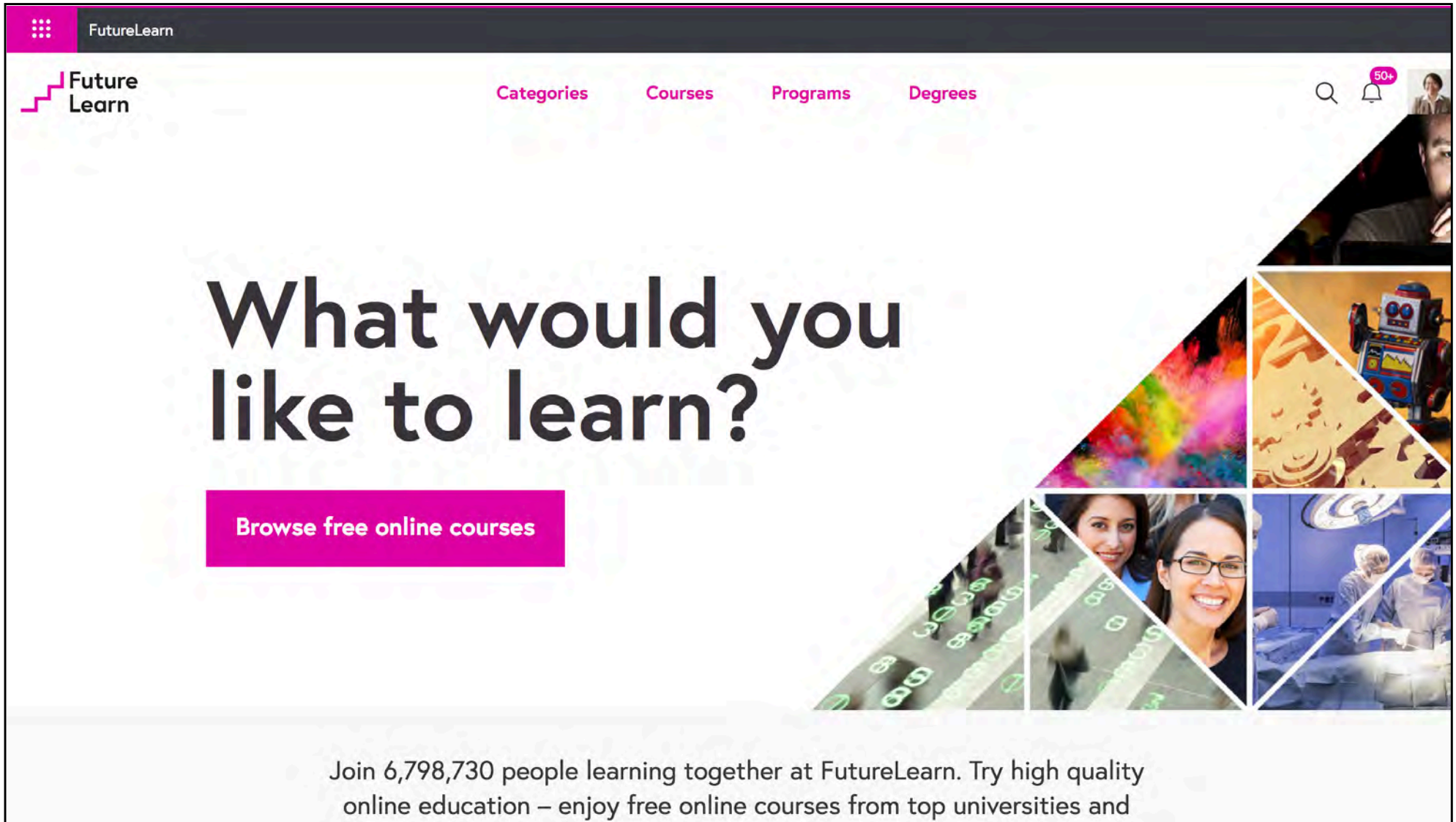


Quiz !

- ・ 「紫式部は地獄に落ちた」と書かれている書物があります。
- ・ その書物の著者はなぜそんなことをいったのでしょうか？



<https://www.futurelearn.com/>



The image shows a screenshot of the FutureLearn website homepage. The top navigation bar includes the FutureLearn logo, a search icon, a notification bell with a '50+' badge, and a user profile picture. Below the navigation bar, the main heading reads 'What would you like to learn?' in large, bold, black text. A prominent magenta button with white text says 'Browse free online courses'. To the right of the text is a collage of images: a person's face, a colorful abstract background, a vintage robot, a woman's face, and a surgical team in an operating room. At the bottom, a light gray banner contains the text: 'Join 6,798,730 people learning together at FutureLearn. Try high quality online education – enjoy free online courses from top universities and'.

FutureLearn

Future Learn

Categories Courses Programs Degrees

50+

What would you like to learn?

[Browse free online courses](#)

Join 6,798,730 people learning together at FutureLearn. Try high quality online education – enjoy free online courses from top universities and



Tells stories – every course should tell a story, this should include a clear structure and taking the learner on a journey of exploration.

Provokes conversation – We want one that gets people talking. We're firm believers in social learning and we have over 50 years of experience, thanks to the UK's Open University.

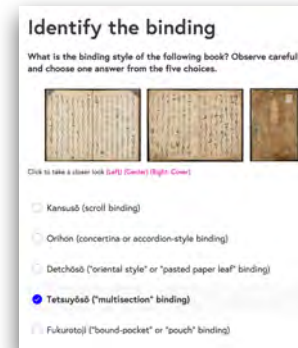
Celebrates progress – throughout every course there should be moments for celebration so learners can feel proud of their progress.

Strategy

Methodology: Visible Learning


Structure: Linear (simplified learning activities)

Contents: Videos, Articles, Quizzes, and Discussion Board

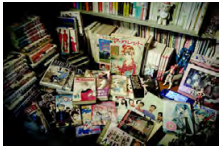


Keio FutureLearn Courses

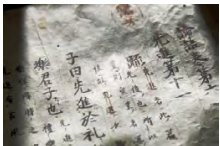
As of September 29, 2017

- 


1 **Japanese Culture Through Rare Books**
Explore the important roles that books have played in the cultural history of Japan.

▶ Run1- July 18, 2016
Run2- Jan 9, Run3-May 22, 2017
Run4- Sep 25
- 

2 **An Introduction to Japanese Subcultures**
Explore Japanese subcultures and learn about their history from the 1970s to today.

▶ Run1 - Nov 28, 2016
▶ Run2 - April 17, 2017
Run3 - Oct, 2017 (plan)
- 

3 **Sino-Japanese Interactions Through Rare Books**
Learn about the role of books in the relationship between the cultures of Japan and China, with this free online course.

▶ Run1 - Aug 21, 2017
- 

4 **Understanding Quantum Computers**
Explore the key concepts of quantum computing and find out how it's changing computer science with this introductory course.

▶ Run1 - Oct 2, 2017 (on going)

Course Details (1)

Japanese Culture Through Rare Books

July 18, 2016

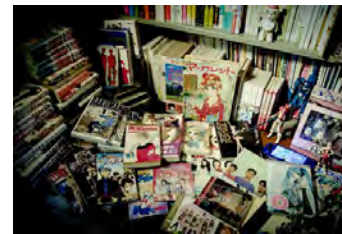


Week 1	THE RELATIONSHIP BETWEEN VISUAL APPEARANCE AND CONTENT IN JAPANESE BOOKS
Week 2	MANUSCRIPTS AND ILLUSTRATED VERSIONS OF THE JAPANESE CLASSICS
Week 3	SCHOLARSHIP AND PUBLISHING IN THE EDO PERIOD

Summary	Learning Japanese culture focusing on Japanese Book binding, style, history
Faculty	Prof. Sasaki & Prof. Ichinohe Institute of Oriental Classis
Learning hours	3 hours x 3 weeks
Course content	55 Steps (A14,V30,Q4,D6)
Special note	159 books (665images) are accessible. Many librarians in the world are taking this course.
First Question	What is the oldest book in your house? (photos and story)

An Introduction to Japanese Subcultures

Nov 28, 2016



Week 1	LOVE
Week 2	BATTLE
Week 3	TECHNOLOGY
Week 4	FAN CULTURE

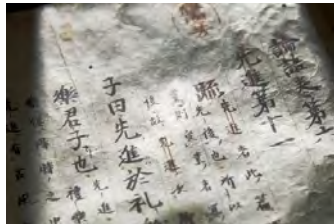
Summary	Learning Japanese youth culture focus on 70's subcultures such as Manga, Anime, Music
Faculty	Prof. Ogushi, Prof. Takahashi,, Prof. Nijijima and Prof. Ohwada (Faculty of Letters, Economics , Law)
Learning hours	4 hours x 4 weeks
Course content	80 Steps (A38,V21,Q2,D19)
Special note	Deep insight and academic discussion about youth culture from the view point of "Vulnerability" and "immaturity".
First Question	What is your favorite Japanese subculture?

A:Article, V:Video, Q:Quiz, D:Discussion, E:Exercise

Course Details (2)

Sino-Japanese Interaction Through Rare Books

Aug 21, 2017



Week 1	Early History of Printing and book Culture in Japan
Week 2	The Analects of Confucius
Week 3	Books on Chinese Studies - Recomposition and creation in medieval Zen temples
Week 4	Books in Chinese Studies - from medieval to early modern Japan

Summary	Learning how continent culture influenced to Japan, by looking into Chinese classics in Japan.
Faculty	Prof. Horikawa, Prof. Sumiyoshi (Institute of Oriental Classics) and Prof. Takahashi (Faculty of letters)
Learning hours	3 hours x 4 weeks
Course content	65 Steps (A29,V29,Q1,D6)
Special note	101 books (219 image) are available to the learners. More expert users and Japanese are taking courses
First Question	What is your foreign books in your house? (photos and story)

A:Article, V:Video, Q:Quiz, D:Discussion, E:Exercise

Understanding Quantum Computers

Oct 2, 2017 (on going)



Week 1	Quantum Computing Concepts
Week 2	Quantum Algorithms
Week 3	Quantum Hardware and Industry

Summary	Learning basic concept and industry trend
Faculty	ロドニー・バンミータ (環境情報学部) 佐藤 貴彦 (政策・メディア研究科)
Learning hours	4 hours x 3 weeks
	74 Steps (A36, V21, Q9, D8, E4)
Special note	High school students are main target.Easy introduction including Laboratory visit vides.
First Question	Where did you first hear about quantum computers?

Finding Interference in the Real World


KEIO FUTURELEARN +18 2日

Finding Interference in the Real World

If you know what you're looking for, you'll often see evidence of interference in the real world. It might be light, or sound, or waves in a pond or the ocean. Find an example, and post a photo or video here. Describe what you found.


Dog waves

Our dog sets off multiple waves that interfere with the water. She also interferes with the water.



Gravitational waves


Tides are impelled mostly by the gravitational effect from the moon. The sun (much further away) has lesser effect. When they align during full moon or new moon, the gravity pull is increased and gives us larger amplitude tides.



SPRING TIDE


Holograms

A hologram itself is unintelligible when viewed under diffuse ambient light. It is an interference pattern. When lit with laser light, the interference pattern diffracts the light into a 3D image.



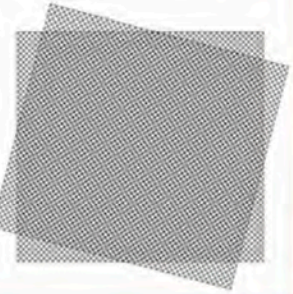
amused mind interference

this is the record cover for TOMMY by The Who, it was just next to where i'm sitting...makes me think about interference in several ways, perhaps mistaken if considered solely in a physics context... despite my ignorance in the subject, quantum physics seem to me similar to this image, like fitting into perspectives depending on general consensus, as if 'collective unconscious' reflected upon itself.




Moire interference.

There is term of "moire" in polygraphy, which is formed by interference of two or more regular structures. And this moire creates new regular structure. As polygraphic raster supposed to be obscure these new regular structures are more visible and it's typically considered as a defect



Chladni Plate Experiment


saw this experiment last week! Not really daily life, but I thought it was cool. The grains settle where the waves interfere so that there is zero displacement (the nodes), and so at the plate's resonance frequencies, a standing wave forms! And you get cool patterns!



cool patterns!
standing wave forms! And you get the plate's resonance frequencies, a displacement (the nodes) and so at waves interfere so that there is zero


Lots of interference here at the Falls of Lora in Argyll, Scotland


Falls of Lora in Argyll, Scotland
Lots of interference here at the



Lots of interference at the Falls of Lora in Argyll

of Lora in Argyll
Lots of interference at the Falls

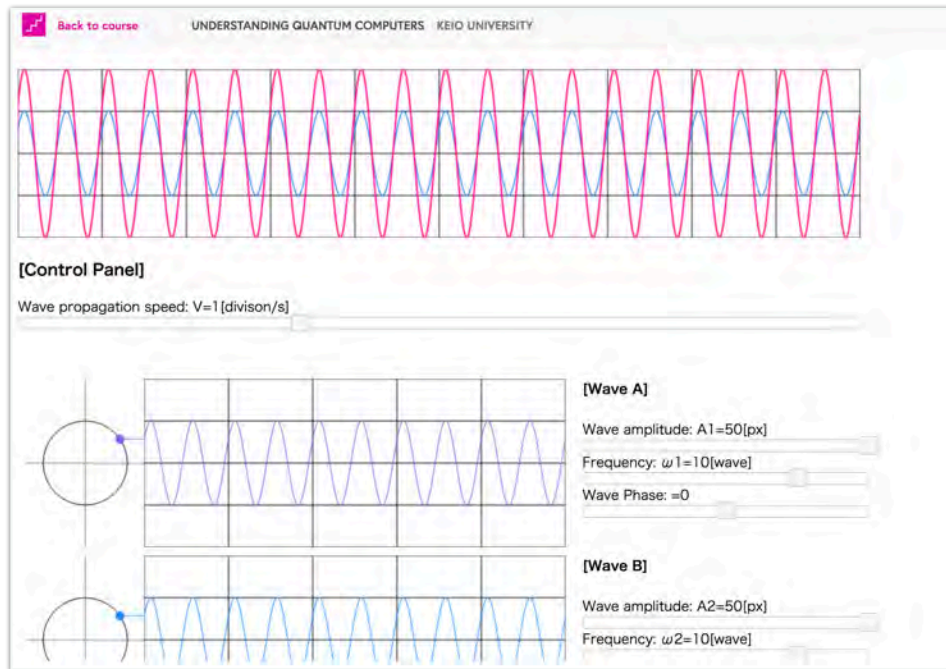




Litter bin

The interference in my litter bin axes
litter bin

Exercise & Quiz : How interference behaves



Intro 1 2 3 4

Question 2

Set $\lambda_1 = 10$, $\lambda_2 = 10$, $\text{phase}_1 = 0$, and $\text{phase}_2 = 0$. What happens?

- Destructive interference.
- Constructive interference.
- Beating.
- Standing wave.

The figure shows a navigation bar with buttons for 'Intro', '1', '2', '3', and '4'. Below the navigation bar is the text 'Question 2' and a question: 'Set $\lambda_1 = 10$, $\lambda_2 = 10$, $\text{phase}_1 = 0$, and $\text{phase}_2 = 0$. What happens?'. Below the question are four radio button options: 'Destructive interference.', 'Constructive interference.', 'Beating.', and 'Standing wave.'.

Title Search

Reset all Filters

NARRATIVE BOOK COLLECTION

How to Explore

Share your Findings

Genre



SHOW ALL

Sutra (13)

Poetry (33)

Tales (24)

Illustrated Tales (39)

Illustrated book (14)

Other (27)

Typology



SHOW ALL

Kansusō (20)

Orihon (7)

Detchōsō (4)

Tetsuyōsō (32)

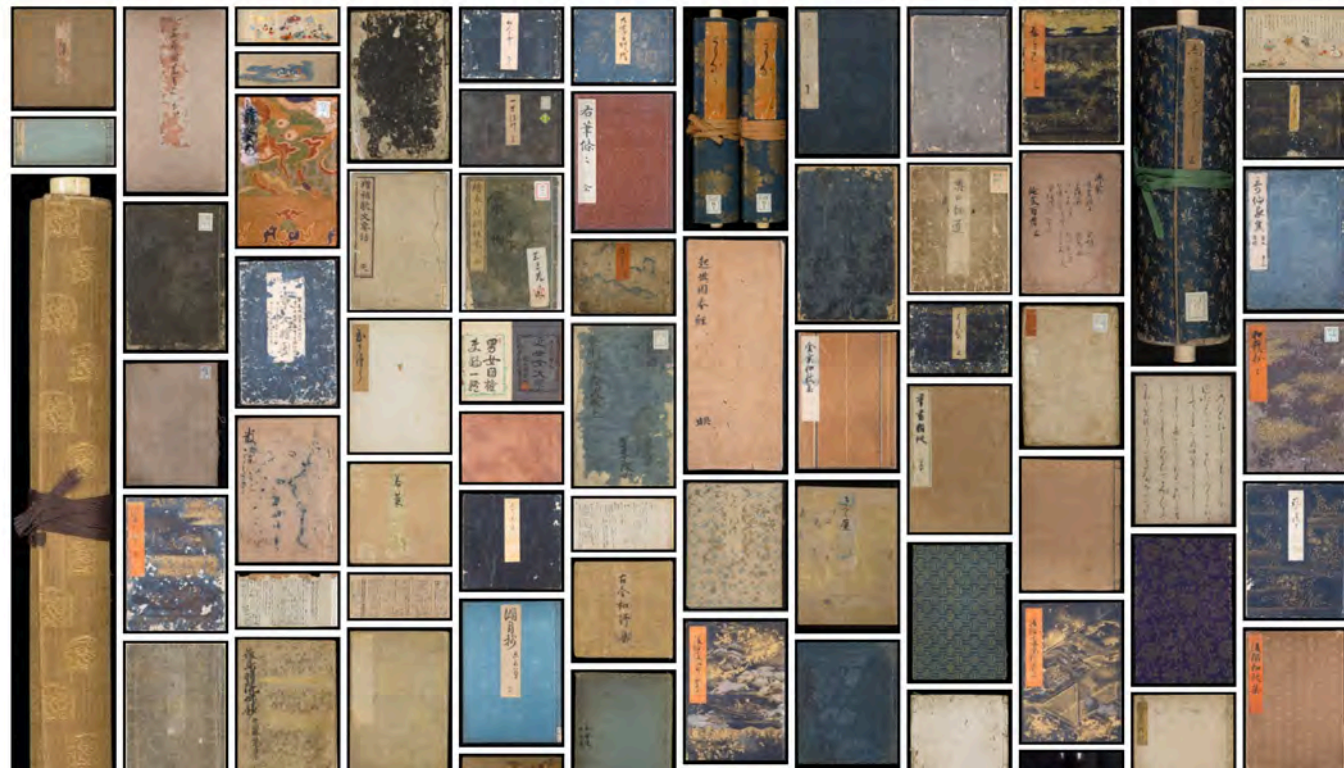
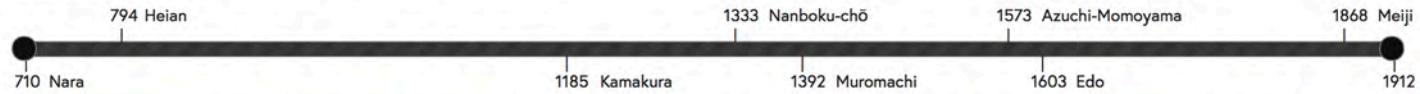
Fukurotoji (76)

Other (10)

Timeline ?

SHOW ALL

Now showing: Nara Heian Kamakura Nanboku-chō Muromachi Azuchi-Momoyama Edo Meiji



Color

Filter by Color



Size

Filter by Size



Content

SHOW ALL

Man'yōgana (1)

Kanji (22)

Katakana and Kanji (5)

Hiragana and Kanji (70)

Kanji with Illustration (1)

Hiragana and Kanji with Illustration (43)

Illustration Only (3)

Show Page Images

Show Cover Images

Shuffle Images



See all pages on the
Digital Collections of Keio
University Libraries

Zoom



Giō

Imprint: early Edo period

Description: Starting from the 16th century, it became common to insert illustrations in book-style formats, such as Fukurotoji. "Giō" is a illustrated tale of female tragedy (considered as a part of 13th century Heike Monogatari). Bound in horizontal fukurotoji (yokohon) format, this book is slightly larger (25.6 x 18.5 cm) comparing with other illustrated books.

FutureLearn: [Japaense Culture Through Rare Books](#)
2.15

Created/Published The first half of 17th Century

Genre: Illustrated Tales

Color:
■ #6A5B42
■ #8C7554
■ #9C562A
■ #A08866
■ #CDC0AD

Size: Yokohon (Height 18.5cm x Width 25.6cm)

Binding Style: Fukurotoji

Scripts/Fonts: Hiragana and Kanji with Illustration

Source: Keio University Library
110X@409@2



祇王 〔江戸初期〕
慶應義塾図書館
祇王
ぎ
お
う



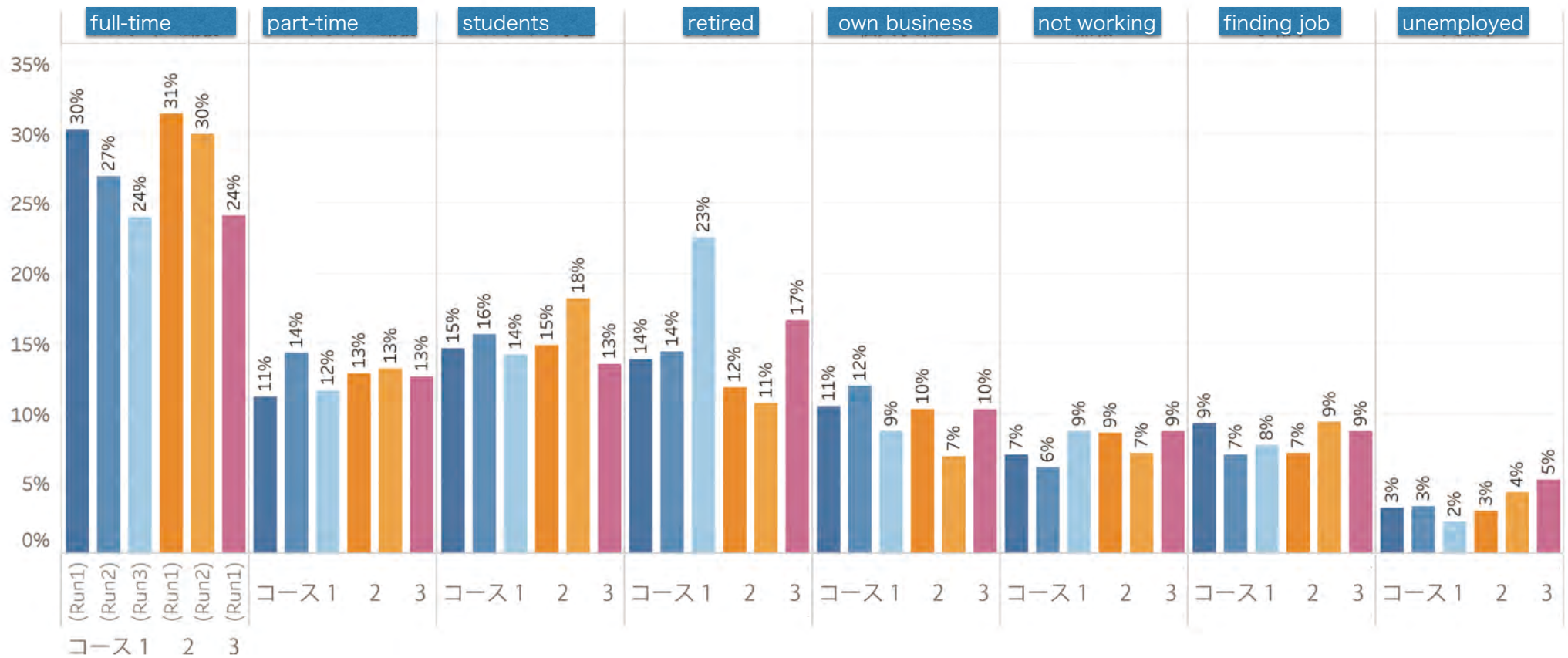
Course Measures

Numbers

	Book1 (1)	Book1 (2)	Book1 (3)	Subculture (1)	Subculture (2)	Book2	Quantum
Joiner 登録者	8,667	5,620	1,355	9,859	3,383	4,025	1,854
Leaners 受講者	4,195 49.4%	2,646 47.1%	1,355 60.8%	4,841 49.1%	1,837 55.0%	1,656 41.1%	1,013 54.6%
Active Learners 1 Step 完了	3,184 75.9%	3,184 70.8%	1,874 61.2%	3,509 72.5%	1,183 64.4%	1,125 67.9%	766 75.6%
Social Learners コメント投稿者	925 22.1%	586 22.1%	256 18.9%	1,014 21%	361 19.7%	317 19.1%	252 24.9%
90% Completion ほぼ終了した受講者	828	474	252	720	272	366	16
Comments 総コメント数	8,008	5,914	2,117	11,495	4,556	3,789	1,088
R-Index コース継続指数	36.4%	36.4%	40%	33.8%	33.8%	41.2%	
Certificate/Upgrade	79	36	33	36	28	50	16

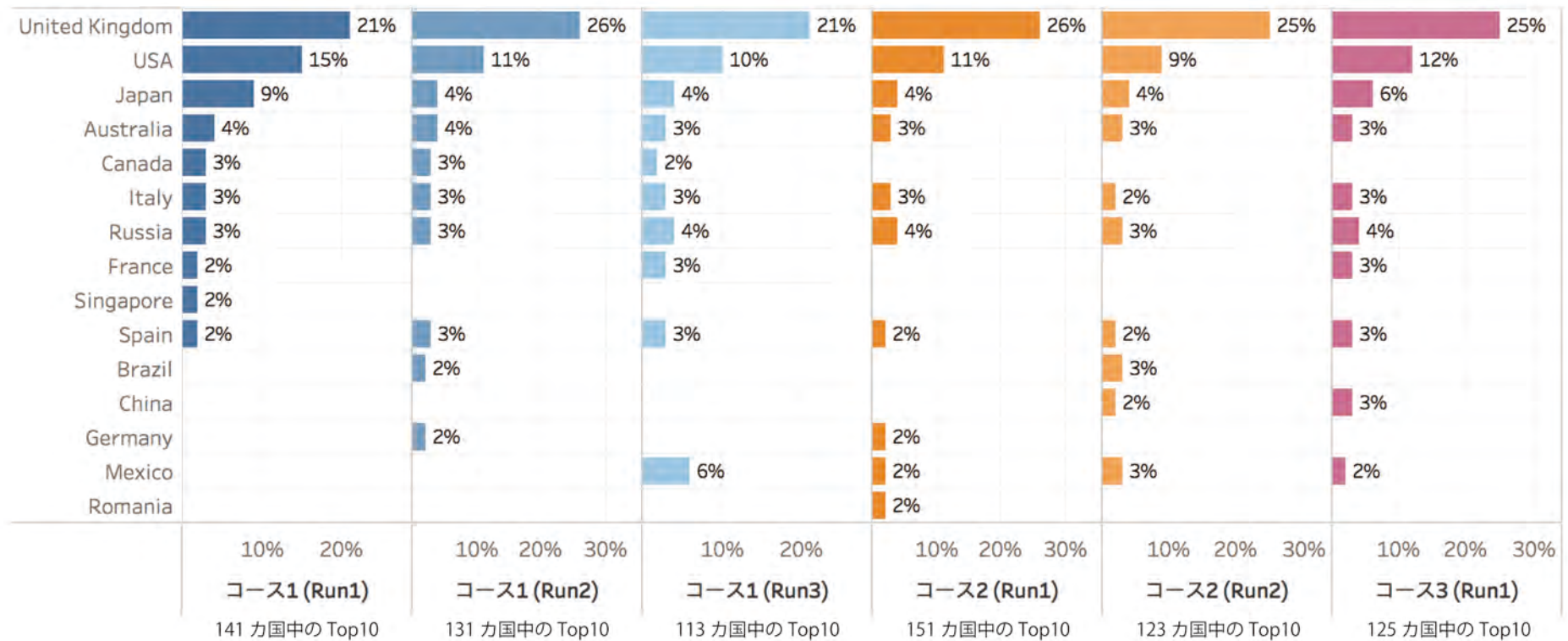
Course Measures

learners status

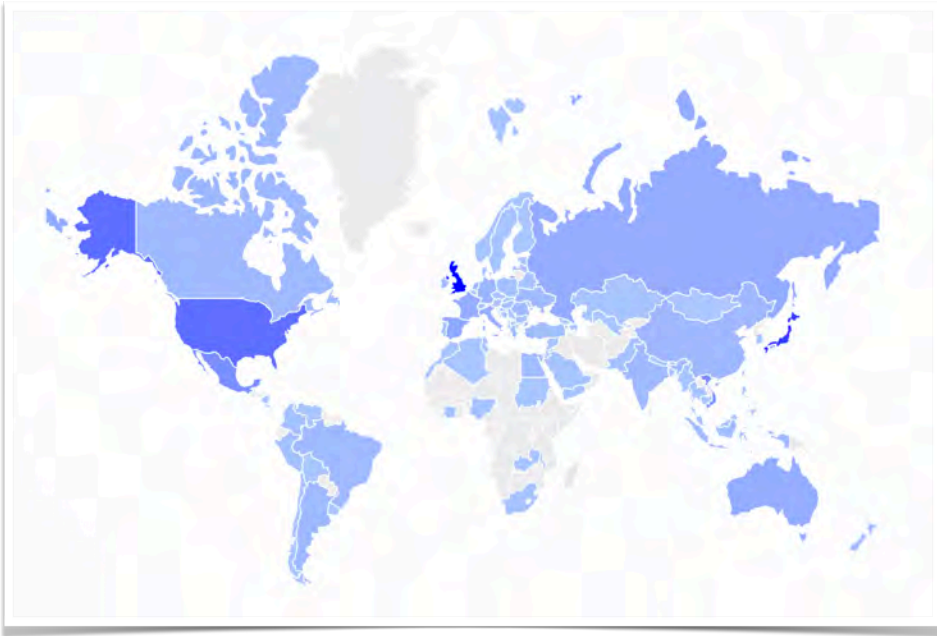


Course Measures

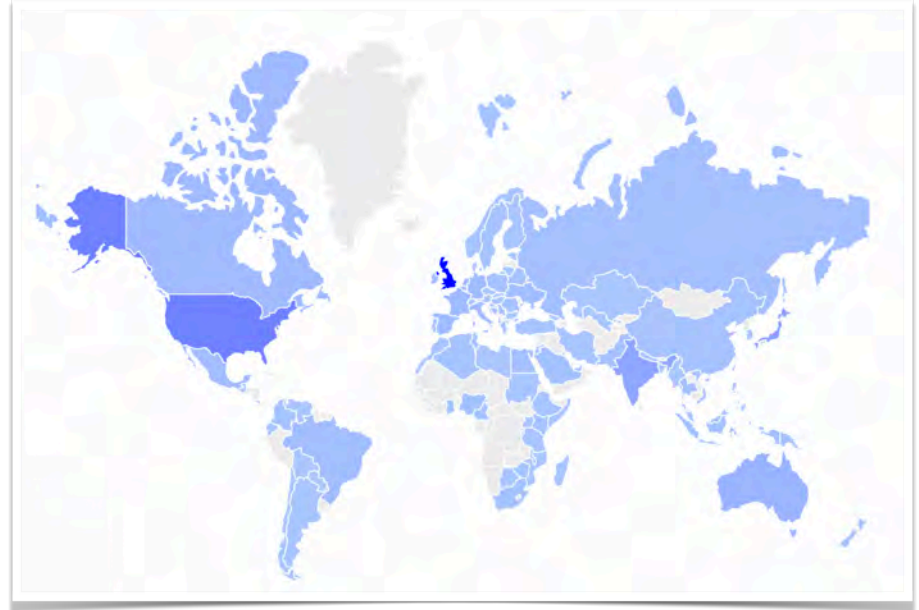
Country/Area



Japanese Culture Through Rare Books

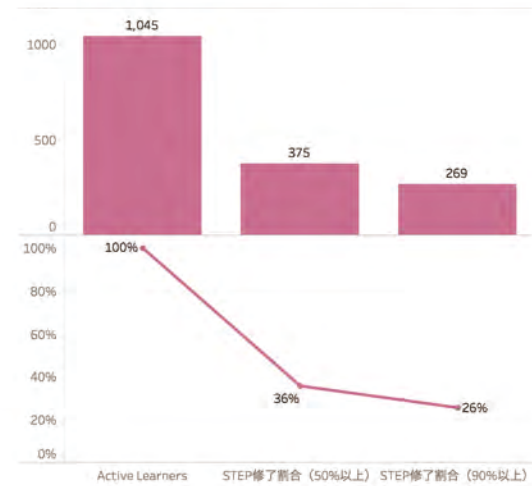
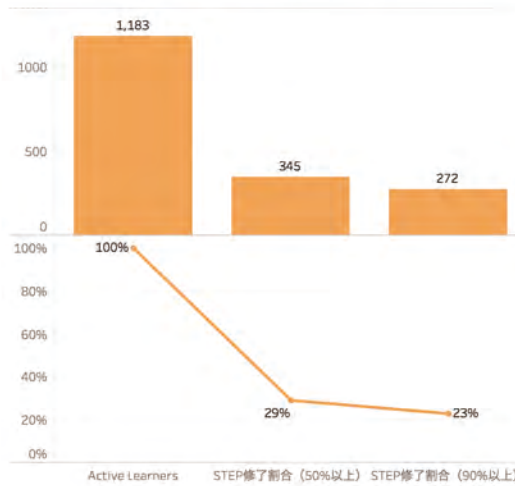
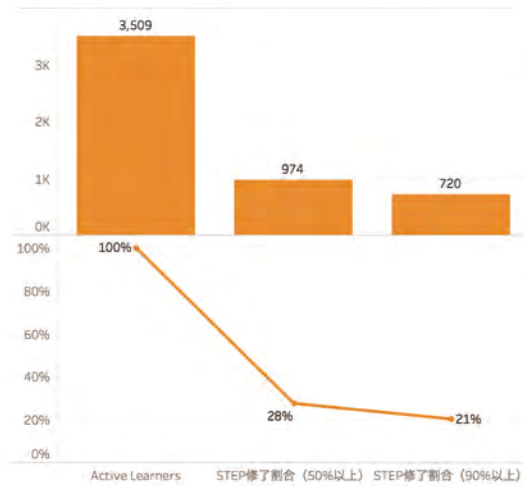
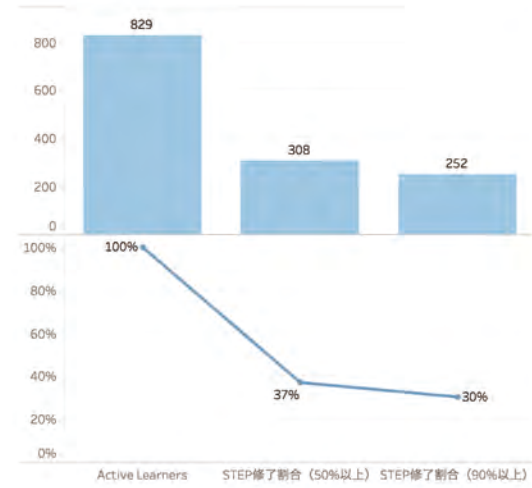
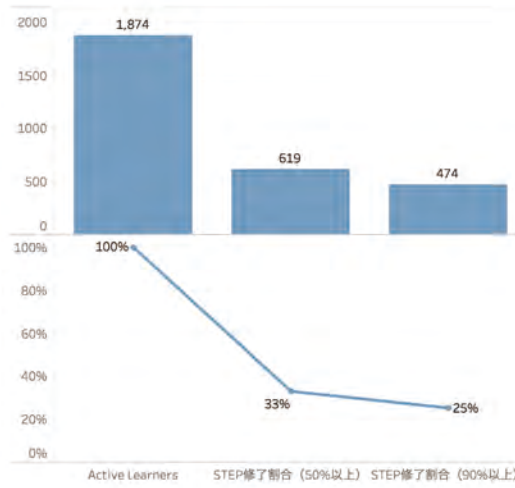
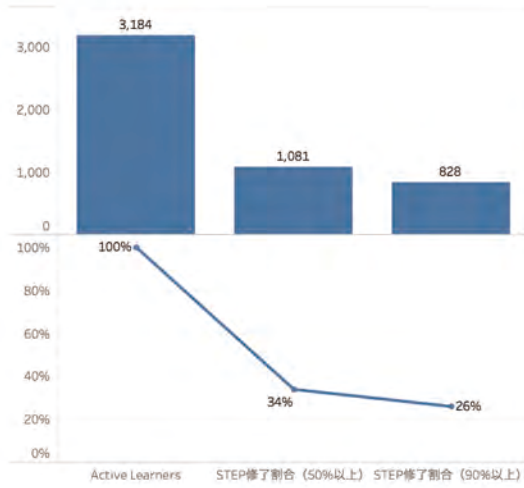


Quantum Computers



Course Measures

week by week



Courses to come from Keio University

- Washi - Japanese paper in Rare Books
[Keio Institute of Oriental Classics](#)
- Diving into the World of Japanese Avant-garde Art Through Hijikata Tatsumi's Butoh Dance
[Keio University Art Center](#)
- International relationship - view from Japan
[Faculty of Policy Management](#)
- Elderly Society
[Faculty of Nursing and Medical Care](#)



Komorebi (Japanese)

The sunlight that filters through the leaves of the trees

ko

The words exist only in their vocabulary

"Lost in translation" by Ella Frances Sanders

The background of the slide is a faded, light-colored photograph of a large, multi-story building with Gothic architectural features, including pointed arch windows and a central entrance. The building is surrounded by green trees and a paved area in the foreground.

Language and Technology

Enrich Culture by Global collaboration in Global Space

人はみな伝え合いたい！

Keiko Okawa

Keio University Graduate School of Media Design

Oxford Day 2017 : Power of Language

October 22nd, 2017 (Sun)