Providing User Experience (UX) to academic libraries

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带进学术 把用户体验

馬平山圖書館館長胡美華香港大學圖書館副館長既

即用戶体验



"What people say, what people do, and what people say they do are entirely different things."

(Margaret Mead, anthropologist)

https://guycookson.com/2015/06/26/design-vs-user-experience/



用 定

• ISO9241-210标准: 人们对於针对使用或期望使用的产品、系统或者服务的认知印象和回应"

- → 主观 + 不断变化
- · ISO定义的补充说明:用户在使用一個产品或系统之前、使用期间和使用之后的全部感受,包括情感、信仰、喜好、认知印象、生理和心理反应、行为和得著等各个方面。

(参考http://wiki.mbalib.com/zh-tw/用戶體驗;

https://en.wikipedia.org/wiki/User_experience)

這個東西好用吗?用起來方便吗?







互动设计 信息架构 Interaction Information Architecture Design 内容無限 视觉设计 Content Visual Design Strategy User **Functionality** Interface 功能体 Usability



https://usabilitygeek.com/user-experience/



"poorly designed products can frustrate, anger, sadden, exclude, and even kill people who use them."

Gautam Krishnan

Hacker | Product Designer at Vitech | Former UI/UX Designer at Zoho

https://uxdesign.cc/the-purpose-of-ux-you-dont-know-what-you-don-t-know-6a94c0d30023



用户体验研究的价值 UX Value

- "...the traditional quantitative metrics and measures used by libraries (eg. statistics on visits, holdings, loans, renewals, database use, downloads, views, social media followers, etc.) do not reveal anything about the success or quality of the interaction experienced by the library user and ultimately the value or impact that this has on the user."
- "...look at how and why library users use libraries in the way that they do ... in order to better understand what users want from libraries."

(Appleton, L. (2016). User experience (UX) in libraries: let's get physical (and digital). *Insights*, 29(3), 224–227.)



用户体验研究目的 UX Purpose



- •觀察和找出用戶需求和行為
 - 做得好的可以繼續或稍作微調,使其更為完善。
 - 做得不好的可以重新思考,運用以用戶為中心的設計流 程提昇服務設施。



用戶体验研究方法UXMethods

- **observation** of user movement in the library (to see where users naturally physically travel to within their library spaces as opposed to where the librarians think they travel to)
- **observation** of activity within given spaces (to see how users naturally behave in demarked spaces and environments)
- walking through library spaces with users to observe and discuss how they use the library
- focused discussion with library users about what works for them and what does not
- diaries and reflective exercises about users' experience of the library
- observation of alternative library- or service-oriented spaces
- directed storytelling
- unstructured interviews
- photo studies
- cognitive mapping



用户体验研究 UX research



2-3 June 2016
A conference on the 25th Anniversary of HKUST



UX

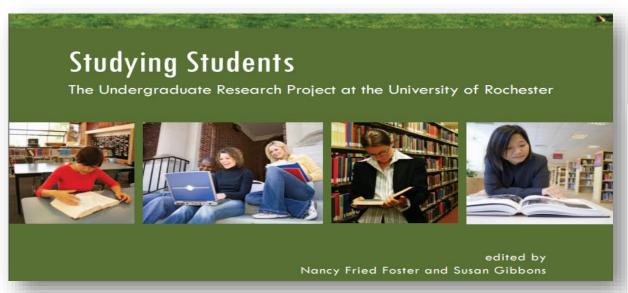
Imagining the future of library services at University of Cambridge.

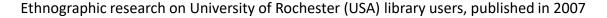


FutureLib at Cambridge University

(http://www.lib.cam.ac.uk/research/futurelib-innovation-programme)

- Explores the future of academic libraries at Cambridge
- Uses ethnographic research methods and humancentred design techniques
- Examines current user experience (UX) of the libraries

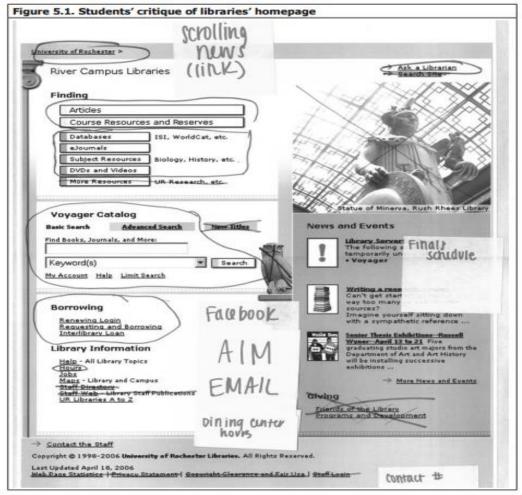




Research question: "What do students really do when they write their research papers?"

- Interviewed faculty and students
- Research sub-streams included: successful and unsuccessful research strategies, library and non-library resources that students commonly use
- Data gathered through interviews with photos and maps as prompts





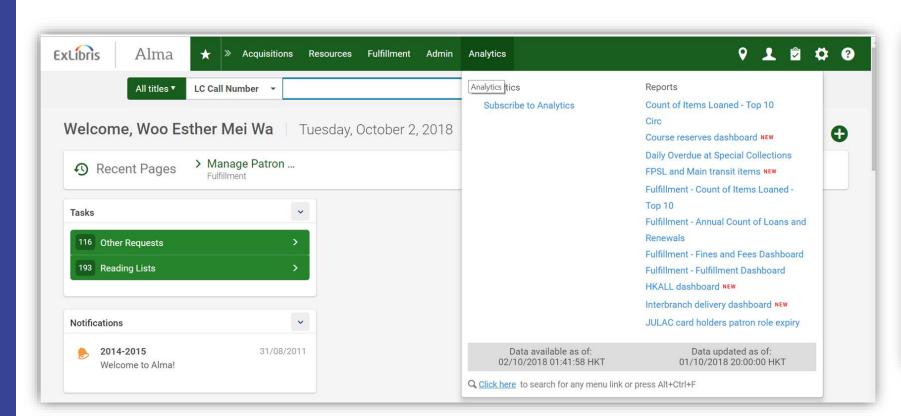
http://www.ala.org/acrl/sites/ala.org.acrl/files/content/publications/booksanddigitalresources/digital/Foster-Gibbons_cmpd.pdf

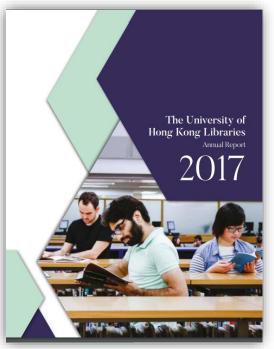


2016年前香港大学图书馆进行的用户体验研究

一般收集質量數據的渠道

- 年度藏書統計
- 年度服務及設施用量
- 課程評估
- •用戶調查(每兩年)
- 讀者意見和提議









2016

Patron Experience
Librarian
Melissa Man



Plus interested staff and library school student interns



- Track user behaviours, needs and trends by :
 - Compiling and analyzing usage statistics, comments and suggestions from patrons
 - Conducting qualitative and quantitative user needs/usability studies
 - Consulting groups representing various library stakeholders.
- Utilize user input to collaborate on and contribute to the creation, development and implementation of innovative activities, projects, services and facilities that enhance user experience.
- Anticipate and keep library staff abreast of patrons' needs, preference and trends
- Coordinate the Libraries' web presence.
- Suggest ideas for design, contents, location of library signage.



研究伦理道德Ethical Concerns



Approval required:

- HREC reviews "any research protocols involving human participants"
- Observation is a form of "collection of new data from human participants"
- Waiver of informed consent received

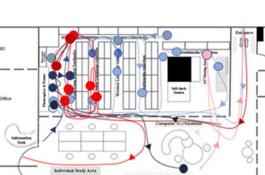


已完成的項目 Projects completed

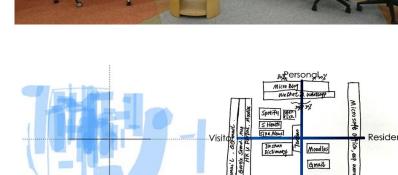


- 2/F new library entrance and user behaviours
- OCLC Digital Visitors & Residents
- User survey 2017
- Level 3 (Library commons) review
- Design of new learning spaces on G/F & 2/F Main Library
- Medical Library's standing workstations
- Education Library's shelving area
- Webpage revamp (To be continued)

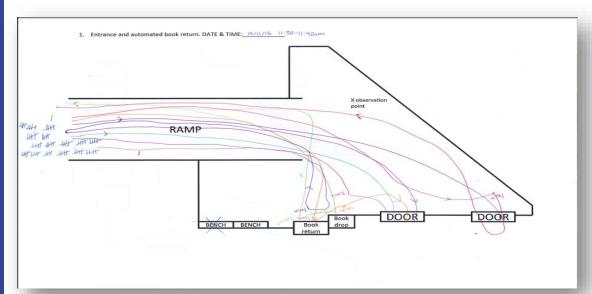


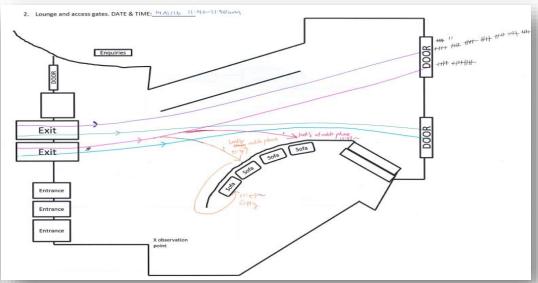






Behavioural Mapping



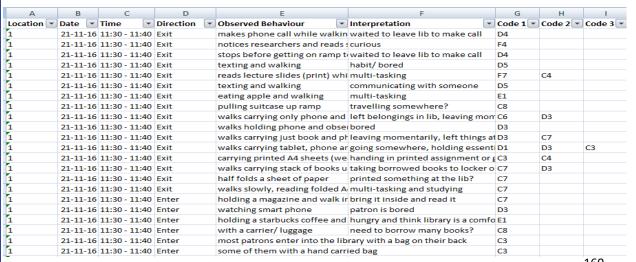


- 230 minutes of data collected in 2016
- From 5 sites in Main Library: 1) New main entrance 2) Lounge 3) Self-service collection
- 4) Exhibition area 5) Service counters
- During 11:30am 12:00pm and 4:30pm 5:00pm





Non-participant Observation

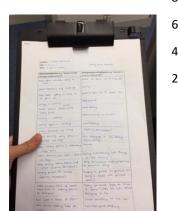


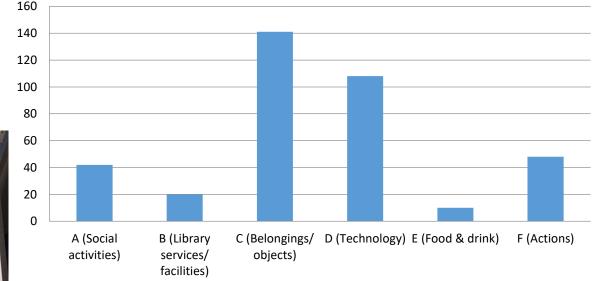
214 observations in 2016 for the new entrance area

Codes assigned to all observations

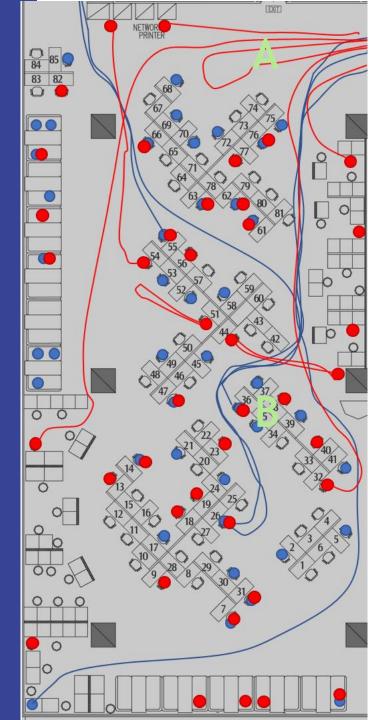
Codes grouped into categories:

- A) Social activities
- B) Library services/ facilities
- C) Belongings/objects
- D) Technology
- E) Food and Drink, and
- F) Actions









Level 3 - Technology Zone

- ➤ 55% of users were observed relaxing in the Technology Zone, in which activities like texting, watching videos and playing mobile games were performed.
- Among those users who were relaxing, half of them were using the desktop provided, two of them were using their phones and one of them was using own laptop.
 - 12 Jun 2017 12:45-12:55pm
 - 14 Jun 2017 12:55-1:05pm



Level 3 - Breakout Zone

- Both bar seats and sofa seats were popular
- Surprisingly, the express printer high table was also well-used (Area D).



40% of users were observed reading books and magazines in the Breakout Zone. 30% of users were observed relaxing.



Users were observed eating all around Level 3 except in the Breakout Zone.

- 12 Jun 2017 1:00-1:10pm
- 14 Jun 2017 1:05-1:15pm



学习共享空间检讨总结 Level 3 Review Conclusion

The Study Zone was used for serious study

研习区:认真研习

The Technology Zone was used for information search, casual study and relaxation

科技区:搜寻资讯,轻松研习及松弛

Information Technology Study Collaboration Breakout Multi-purpose

The Collaboration Zone was used for discussion and multi-tasking

协作区: 讨论及同时处理

多项工作

The Breakout Zone was used for reading, relaxing, but not enjoying food

休恬区:阅读,松弛但不

会享用食品

The Multi-purpose Zone was used for serious study

多功能区:认真研习



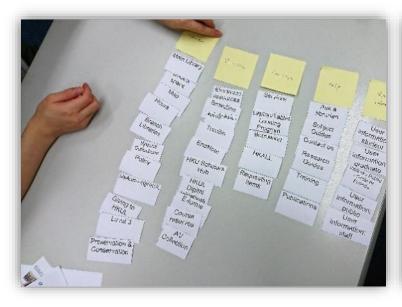
图书馆网页使用调研 Library homepage user study

Research Question: "What kind of Library homepage design

Is most appealing and useful to our users?"

- 1. Determine how users naturally categorize library services and tools so that we can group them thematically on our re-designed homepage.
- 2. Discover what types of layouts and features users prefer so that we can incorporate appealing features in our re-designed homepage.

Card sorting





Co-design homepage layout

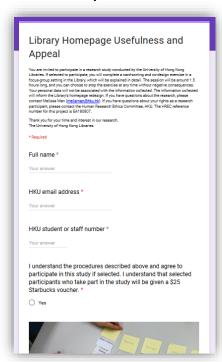


图书馆网页使用调研

Library homepage user study

- 7 Sep 2018
- \$25 coffee coupon as incentive
- Invitation by email and Facebook
- Register to indicate interest AND give consent to participate
- 230 registrants → 15 invited → 7 showed up







2 Academic Staff (UMAG and Microbiology)



1 Research Staff (Real Estate and Construction)



2 Postgraduate Students (Business and Education)



2 Undergraduate Students (Engineering and Business)

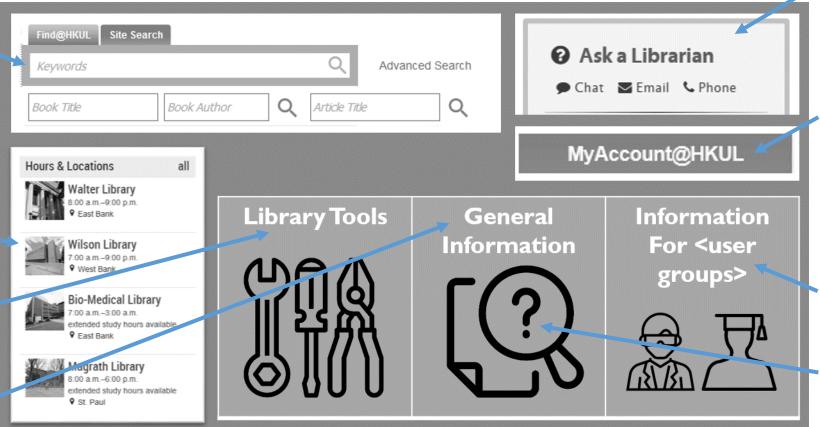
图书馆网页使用调研

Library homepage user study

Prominent search box

Hours and locations at a glance with photo and location

Library tools (active) and general information (static)



Ask a Librarian with options at a glance

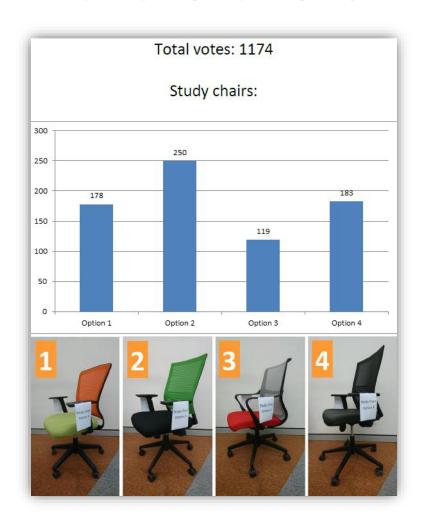
Prominent
MyAccount@HKUL

Information for user groups

Simple infographic



总馆及医科图书馆装修读者资询及坐椅测试 Focus group consultation and furniture trial for the renovations in Main and Medical Libraries



- Student comments and suggestions on:
 - Seating and zoning
 - Room booking and management
 - Computer H/W & S/W needs
 - Printing services
 - New services such as 3D printing/scanning, studio, editing rooms
 - Furniture & environment







Kong Libraries The University of Hong

用户体验交流 UX exchange





提升用戶体验相关方法 Methods to enhance ux

Design Thinking 设计思维

https://dschool.stanford.edu/resources-collections/a-virtual-crash-course-in-design-thinking

HCD (Human-Centered Design) 以人为本设计 http://www.designkit.org/human-centered-design





谢谢! Thank You!

Jasper

Card Number:

A1

Library Therapy Dog

FACILITIES ACCESS CARD

