数字自我 日常生活 城市空间

Digital Self, Daily Life and City Space

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Digital Self, Daily Life and City Space

Background 背景

Camera and dairy are the traditional ways of self-recording.

我们记录生活的方式通常为相机和日记。



Digital Self, Daily Life and City Space Background 背景

With the advancement of science and technology, the potential of new technologies in recording personal life and studying individual behavior has constantly been explored.

Wearable camera offers data-driven insights into the patterns and characteristics of our lives.

随着科学技术的进步,人们不断探索着新技术在记录个人生活和研究个人行为方面的潜力。可穿戴式相机具有数据驱动的观察力,可以帮助我们了解自身的生活模式和行为特征。



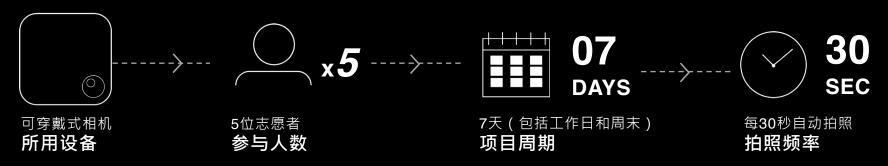
Digital Self, Daily Life and City Space Research Purpose 研究目的

In this project, wearable cameras have become 24/7 eyes which digitalized our real life into images, recording how we spend a day.

在这个项目中,可穿戴式相机成为了全天候的眼睛,将我们的现实生活数字化为图像,记录了我们如何度过一天的生活。



Research Methodology 研究方法



The wearable camera can clip onto a user's clothing and automatically taking a photo every 30 seconds. We invited 5 volunteers of different ages and varying occupations to wear a camera for an entire week.

可穿戴式相机可以夹在用户的衣服上,每隔30秒自动拍照。我们邀请了5名不同年龄和不同职业的志愿者在一整周内佩戴相机,总共收集了35000张照片。



Profile of 5 Participants 5位志愿者的个性标签

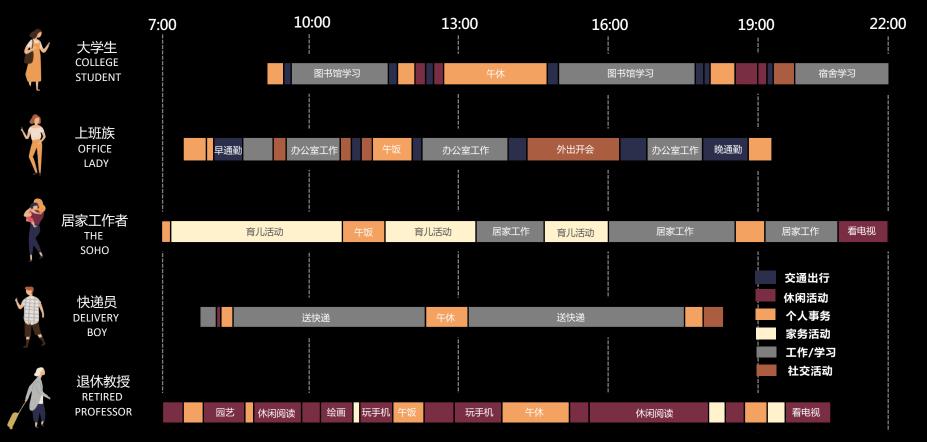


HOW DID THEY SPEND A TYPICAL DAY?

One typical day of 5 participants

用科技叙述过去—— 5位志愿者具有代表性的一天

Timeline of A Typical Day 代表性一天的时间轴



A Typical Day of the College Student 大学生的一天

吃早饭 前往图书馆 图书馆学习 在操场散步 图书馆学习 在水塘旁休息 吃午饭 吃晚饭 having on the way to study in the walk in the study in the rest beside the breakfast the library having lunch library library pool having dinner playground 09:20 09:00 10:00 12:00 16:00 19:00 12:40 18:00

















特点:长时间的图书馆学习,独处的一天

A Typical Day of the Office Lady 上班族的一天

起床 wake up	上班通勤 on the way to the office	与老板开会 meeting with boss	吃午饭 having lunch	打车外出 on the way to the meeting	与合作单位 开会 meeting with partners	乘坐地铁 on the subway	骑行回家 going back home
07:20	08:10	09:20	12:00	14:40	16:00	18:20	18:40







特点:多种通勤工具,多次社交活动

A Typical Day of the SOHO 居家工作者的一天

吃早饭 having breakfast	育儿活动 looking after baby	外出遛娃 go out for a walk	吃午饭 having lunch	居家工作 working at home	准备辅食 cooking	吃晚饭 having dinner	居家工作 working at home
07:00	09:30	10:00	11:00	14:00	15:30	19:00	20:00

















特点:家务活动穿插着居家工作,工作时间集中在下午和晚上

A Typical Day of the Delivery Boy 快递员的一天

吃早饭 having breakfast	送快递 working	送快递 working	吃午饭 having lunch	在宿舍午休 resting in the dorm	送快递 working	送快递 working	吃晚饭 having dinner
08:10	09:30	11:00	12:30	12:50	14:00	16:00	17:30
					1		

















特点:被工作填满的一天,几乎没有休闲时间

A Typical Day of the Retired Professor 退休教授的一天

吃早饭 having breakfast	园 艺 gardening	练习书法 handwriting	吃午饭 having lunch	外出散步 going for a walk	手机阅读 reading	做饭 cooking	看电视 watching TV
07:30	08:00	10:40	12:00	12:40	16:00	18:00	20:00

















特点:琴棋书画,惬意的独居生活

HOW DID THEY USE THEIR TIME?

The time allocation of six types of daily activities (personal affair/work/housework/travel/social/leisure)

用数据注解生命—— 一周各类日常活动的时间占比

Who Spent more Time on Personal Affair 个人事务的时间占比(吃饭/睡觉)









10% 1.1h/day

3.2h/day

1.2h/day

2.3h/day

大学生 **COLLEGE STUDENT**

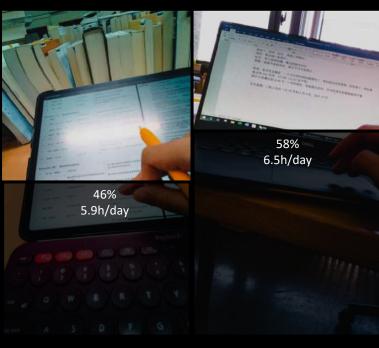
OFFICE LADY

居家工作者 THE SOHO

快递员 **DELIVERY BOY**

RETIRED PROFESSOR

Who Spent more Time on Work/Study 工作/学习的时间占比(工作/学习)









大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

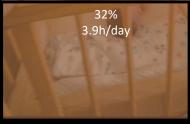
退休教授 RETIRED PROFESSOR

Who Spent more Time on Housework 家务活动的时间占比(做饭/洗碗/育儿活动)













大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Who Spent more Time on Travel 交通出行的时间占比(走路/骑行/公交/私家车)



13% 1.6h/day



14% 1.5h/day



1% 0.1h/day



大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Who Spent more Time on Social 社交活动的时间占比(面对面交流)

time ratio=pictures captured the activity/ total pictures











大学生 COLLEGE STUDENT

上班族 OFFICE LADY

2.0h/day

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Who Spent more Time on Leisure 休闲活动的时间占比(看电视/运动/逛街等)



15% 1.8h/day







大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

HOW WERE THEY USING DIGITAL SCREENS?

 We use social media like Twitter and WeChat to connect with others, use Mobike for short-distance commute, use Dianping for navigating us to a good lunch and then pay the bill via Alipay. At the end of a long day, we usually spend the rest of time on watching TV or playing online game for relaxing ourselves.

These electric products bring convenience to our life, while at the same time, they are kidnapping our life.

"早上醒来还躺在被窝里,先用手机上网,看看有什么新闻,谁在微博上@了我;开车出门, 先用手机查实时路况;等人时,用手机看看视频,玩玩游戏;晚上请朋友吃饭,用手机查一下 饭店招牌菜;夜深人静,如果不用手机微信一阵,就没法安然入眠…"

—— 手机正在成为人的第六器官

Screen time= 311

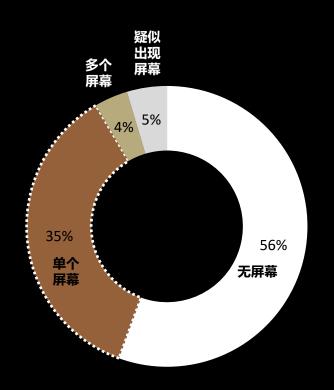
hours per day

— according to the data analysis of our volunteers

通过对收集到的志愿者们的照片进行统计,我们发现

人们平均每天的屏幕使用时间为3.1个小时。

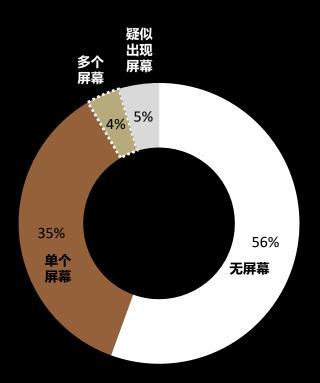
Digital Self, Daily Life and City Space Screen Types 屏幕类型统计



单个屏幕使用场景



Digital Self, Daily Life and City Space Screen Types 屏幕类型统计



多个屏幕使用场景





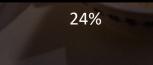
Fragmentation of Screen Use 屏幕使用时间碎片化情况



BCL (Beijing City Lab)
School of Architecture, Tsinghua University

Screen Use during Personal Affair 个人事务的屏幕使用比例(吃饭/睡觉)







24%







大学生 COLLEGE STUDENT

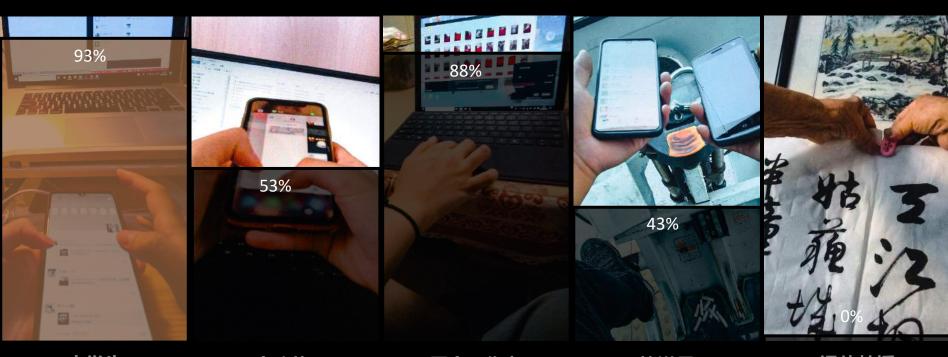
上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Screen Use during Work/Study 工作学习的屏幕使用比例(工作/学习)



大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Screen Use during Housework 家务活动的屏幕使用比例 (做饭/洗碗/育儿活动)











大学生 COLLEGE STUDENT

上班族 OFFICE LADY

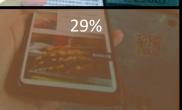
居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Screen Use during Travel 交通出行的屏幕使用比例(走路/骑行/公交/私家车)















大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

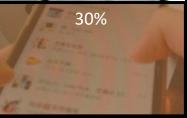
快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Screen Use during Social 社交活动的屏幕使用比例(面对面交流)















大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Screen Use during Leisure 休闲活动的屏幕使用比例 (看电视/运动/逛街等)











大学生 COLLEGE STUDENT

上班族 OFFICE LADY

居家工作者 THE SOHO

快递员 DELIVERY BOY

退休教授 RETIRED PROFESSOR

Key Findings 主要发现:数字化地记录自我 + 记录被数字化的自我

- 日新月异的科技,让我们可以以秒为单位进行生命日志(未来的考古学?)
- 新生活、新工作、新休闲、新交通模式的涌现(新新新人类的出现)
- 各种屏幕的使用,加速了时间的过度碎片化(人类注意力有史以来的最大幅度下降?)
- 社交活动中的高频率和高比例的屏幕使用(我们的社交质量到底如何?)
- **屏幕时间,how much is too much?**(拥抱还是逃离?)



