Mobile learning patterns from the learner perspective

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Aim of this research

- Lifelong learning
  - Day of the week
  - Duration
  - Location
  - Activity being performed
  - Type of device being used
- Support them with technology
Survey demographics

Gender:
- Male: 86
- Female: 61

Age:
- <25: 43
- 25-34: 50
- 35-44: 27
- 45-54: 14
- 55-65: 13
- >65: 0

# lifelong learners
Survey demographics

### Professional Status

<table>
<thead>
<tr>
<th>Status</th>
<th>Lifelong Learners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employed</td>
<td>99</td>
</tr>
<tr>
<td>Student</td>
<td>48</td>
</tr>
<tr>
<td>Self-employed</td>
<td>11</td>
</tr>
<tr>
<td>Homemaker</td>
<td>3</td>
</tr>
<tr>
<td>Unable to work</td>
<td>1</td>
</tr>
<tr>
<td>Retired</td>
<td>0</td>
</tr>
</tbody>
</table>

### Field of Study

- Computer sciences: 27%
- Engineering: 16%
- Natural sciences: 10%
- Humanities: 10%
- Business: 5%
- Law: 10%
- Medicine: 10%
- Other: 16%

% lifelong learners; N=147
Motivation to learn during the day

Smartphone users

Lifelong learners that do not use smartphone every day
Lifelong learners that use smartphone every day
Motivation to learn during the day

Tablet users

Lifelong learners that do not use tablets
Lifelong learners that use tablets

% lifelong learners; n=147
Patterns based on type of device

Hourly device usage across the day

Eoff, B. D. (2011)
Patterns based on type of device

Daily device usage across the week

Eoff, B. D. (2011)
Usage of smartphones during the week

Behaviour checking notifications

- Never: 2.04%
- Only when it alerts me (rings, vibrates ...): 37.41%
- Only pay attention when expecting to receive it: 6.8%
- Once a day: 5.44%
- Once per four hours: 7.48%
- Once per two hours: 6.12%
- Once per hour: 14.96%
- Continuously: 19.72%

% lifelong learners; n=147
Patterns based on type of content

Smartphone usage activity – “a day in life”

Percentage of Daily Usage Time %

Other
Utility
Multimedia
Entertainment
Social Networking
Browsing
Messaging
Voice

Hour of Day

Dataset: Only working days included
Arbitron M. (2012)
Patterns based on type of learning activity

% lifelong learners; n=147
Linking locations, activities and interactions with mobile technologies

Learning activities in physical spaces
Linking locations, activities and interactions with mobile technologies

Learning activities regarding the gender
Conclusions

• Portable computers. Most used type of device.
• Smartphone owners reported to be more constantly motivated to learn.
• Tablet owners reported to be more motivated to learn.
• “Listening” is the most accepted learning activity when multitasking. Adults spend more time and in longer time-slots.
• There is an association between the learning activity being performed and the concrete physical space where it takes place.
• Learning activities are mainly performed when adults are with their legs stopped.
Thanks!

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References

