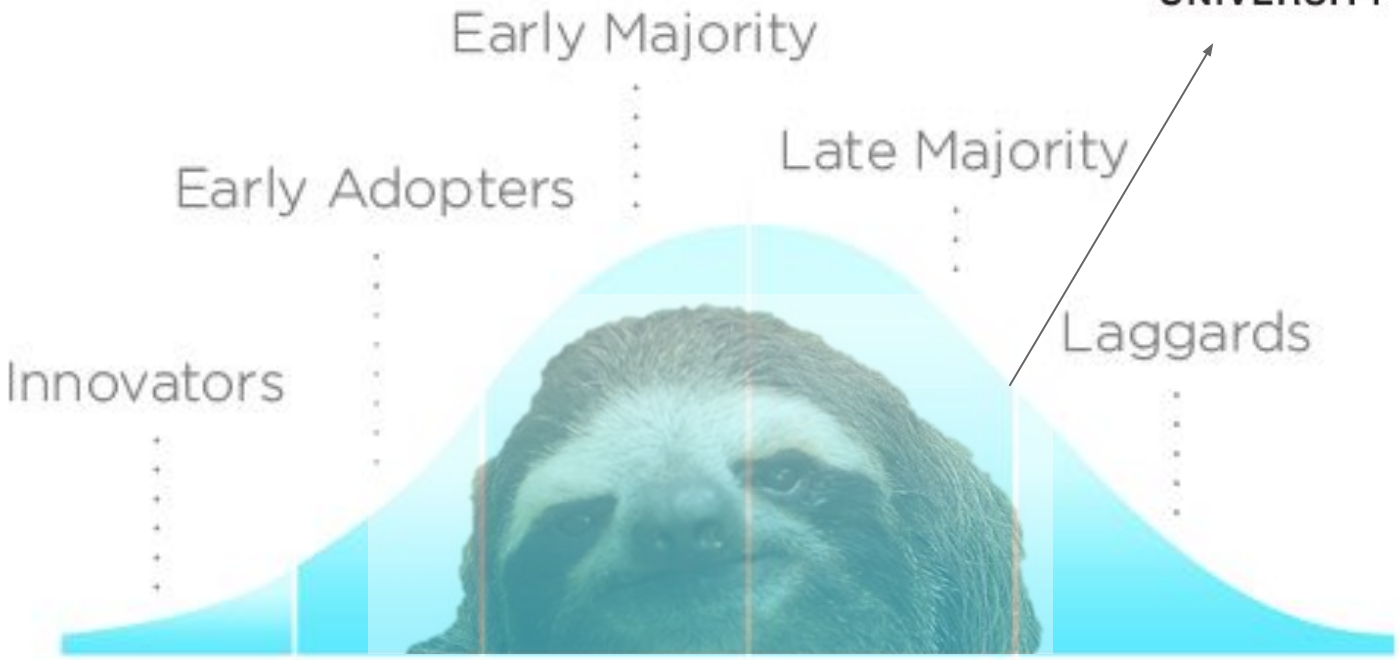
Riding the Laggard's Edge to Glory

An 8min tour of the significant advantages to late adoption of maker technology



Innovation Diffusion Theory (Rogers, 1995)

https://en.wikipedia.org/wiki/Technology_adoption_life_cycle#/media/File:DiffusionOfInnovation.png

- We don’t tend to talk about what it is like to be a late adopter
- This leads to feeling like it might not be as worth it to provide established technologies as emerging ones
- In fact, due to the following reasons, it may be more worth it

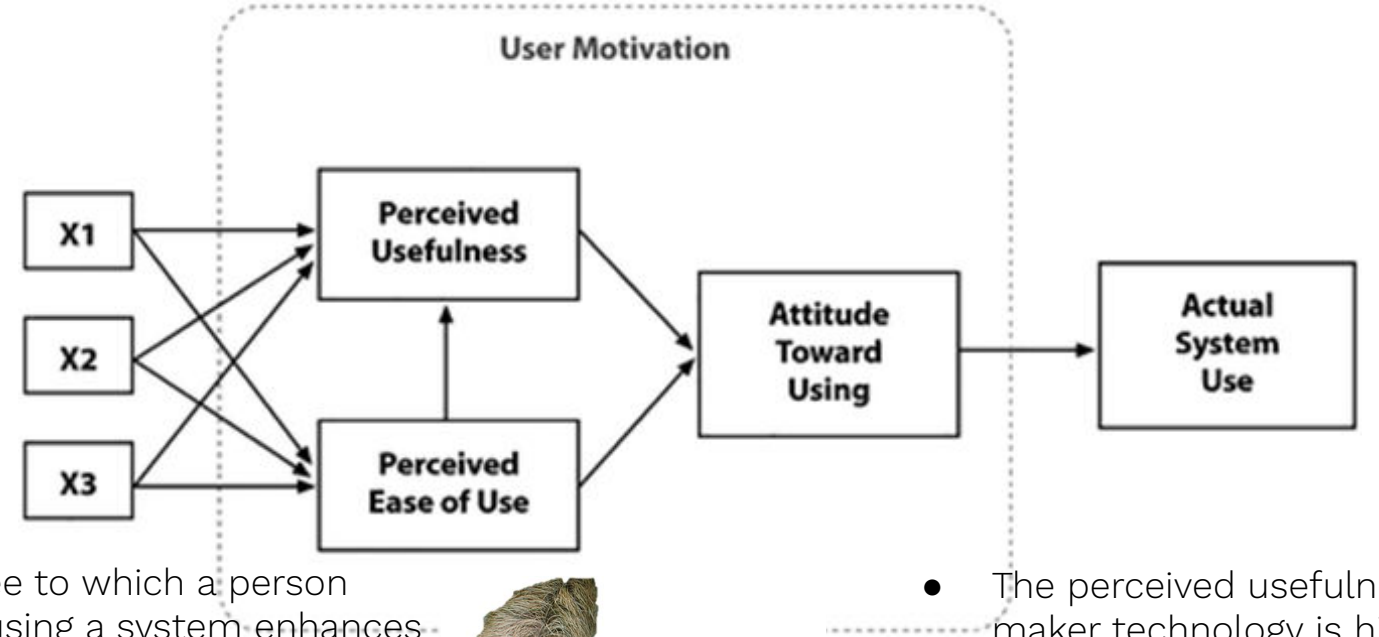
Advantages of Being Behind the Curve

Your Audience is Ready

- So are Administrators, less explanation of why you are providing tech
- Perceived value, mass market permeation
- Community already has skills

Lower Barriers

- Costs go down, quality and reliability go up
- Closed systems make things more user friendly
- Less time needs to be invested in equipment, and staff training, this allows for flexibility, and this ease is passed on to the user.



- The degree to which a person believes using a system enhances their job performance - Davis, 1998
- Making technology such as 3D printing is unique in terms of what it affords users

- The perceived usefulness of maker technology is high, but not necessarily for academic performance
- The perceived ease of use is very favourable with established tech

Technology Adoption Model (TAM) (Davis, 1998)

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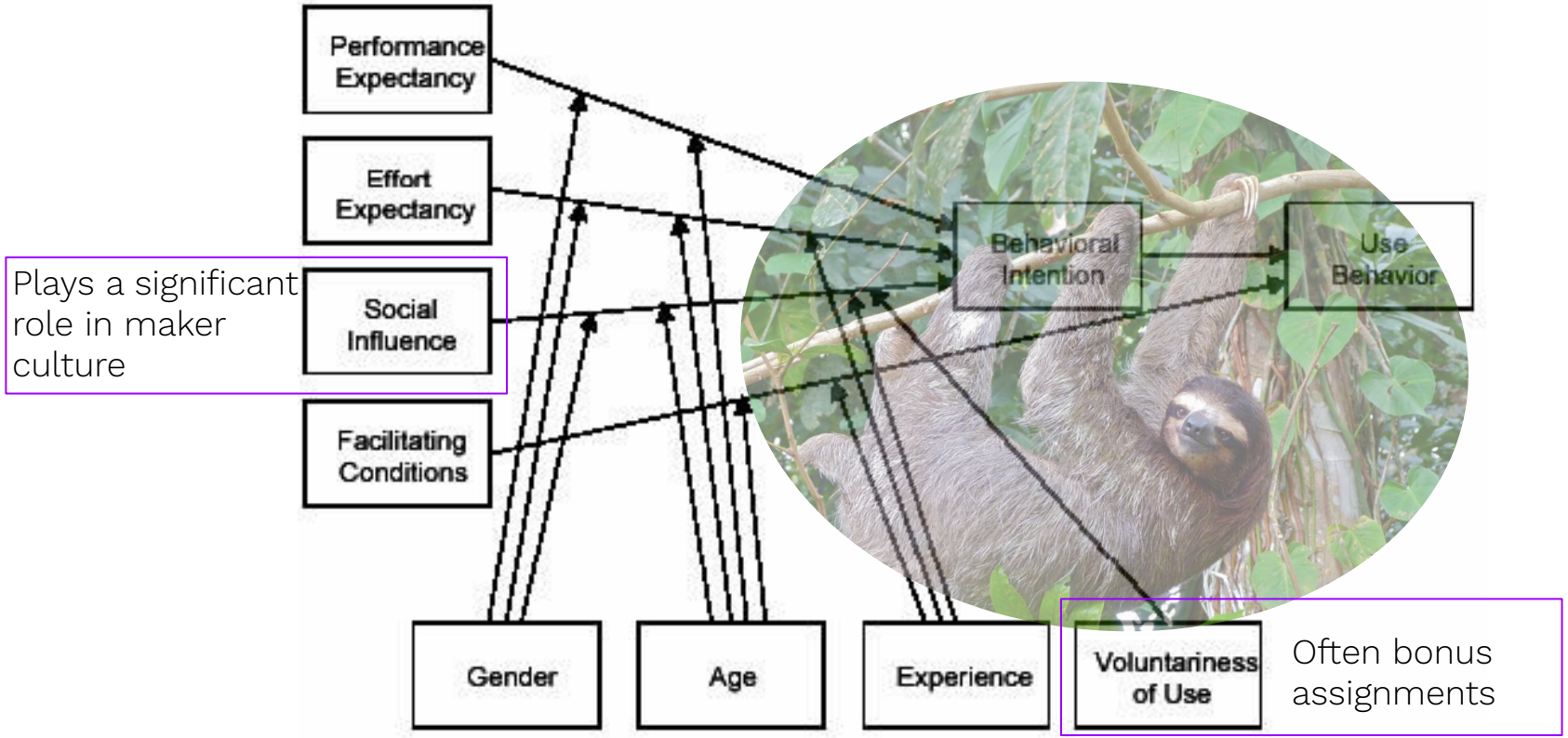

Unified Theory of Acceptance and Use of Technology (Venkatesh et al., 2003)

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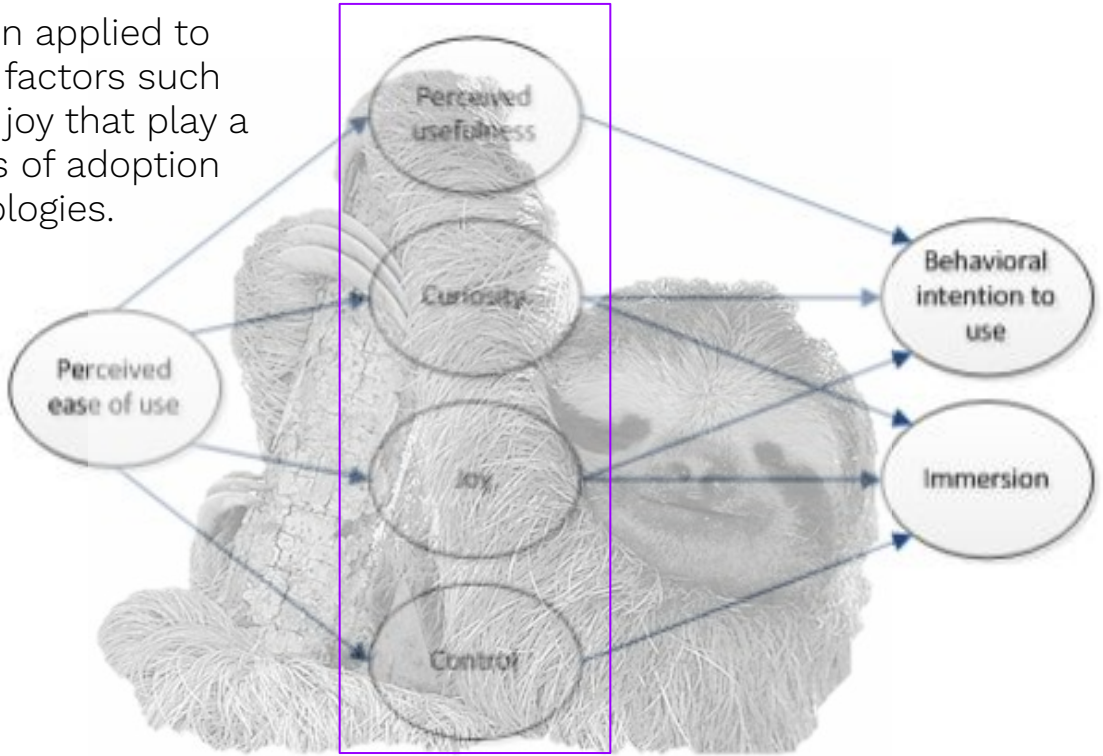
- This model, often applied to VR, emphasizes factors such as curiosity and joy that play a big part in terms of adoption of maker technologies.



Hedonic-Motivation System Adoption Model (HMSAM) (Lowry et al., 2013)

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2177442

Experiment Where You Want To

- With service models, design, and pedagogy instead of keeping the tech running.

Community

- Late adopters will find those who have paved the way ready to share resources, experiences and opportunities.
- Online software communities document solutions to common problems
- Contact me to join the Edmonton Maker Community of Practice!

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Thanks!

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