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Three things to discuss...

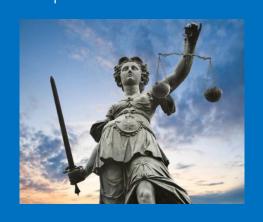
What UR needs from game designers



How UR designs bespoke research

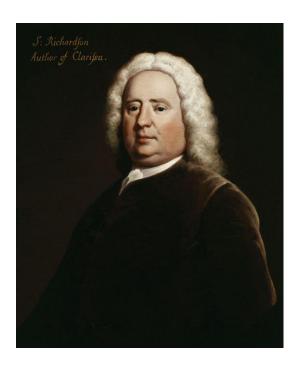


How to ensure a just interpretation of data





What UR needs from game designers



Case Study

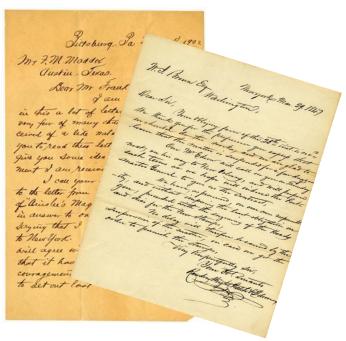
How do you get people to care about fiction?



"a semblance of truth sufficient to procure for these shadows of imagination that willing suspension of disbelief for the moment, which constitutes poetic faith" - Coleridge

Minimizing the gap between reality and fiction

Epistolary Style is best

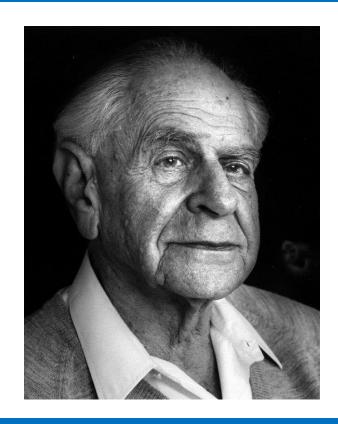


Minimizes Leaps of Faith

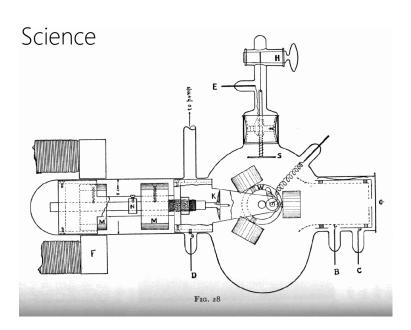
- People are slightly more verbose than usual
- Have good memories
- Unusual propensity to keep their letters



Falsifiability

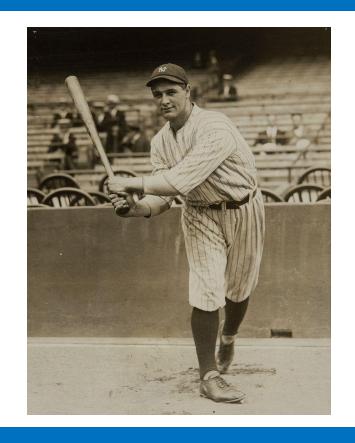


A scientific theory "...must be capable of conflicting with possible, or conceivable, observations" – Karl Popper

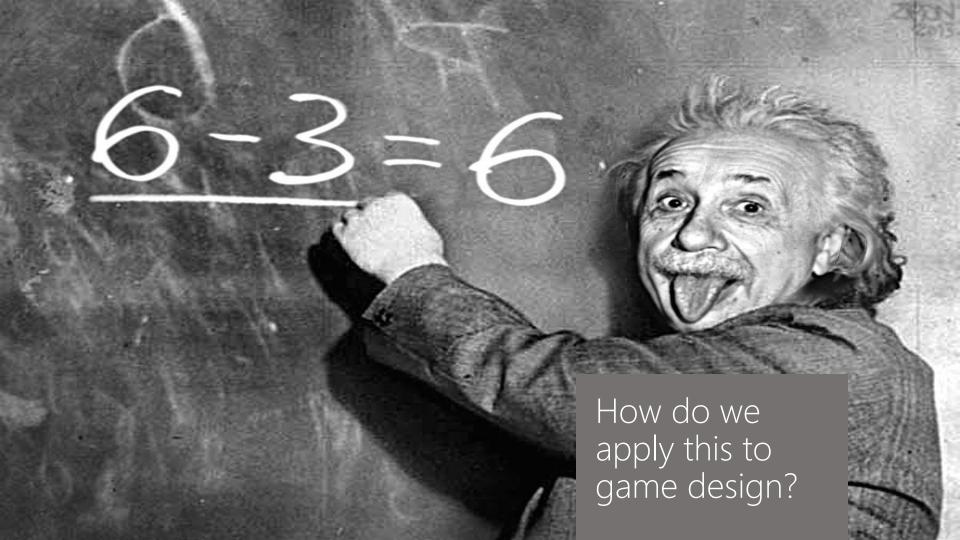


Not Science





"I love to win; but I love to lose almost as much. I love the thrill of victory, and I also love the challenge of defeat." – Lou Gehrig



How to build a falsifiable design theory

Game-specific experience goals Broken into sub-components Measurable (falsifiable) Feature independent

Frictionless Exploration

I am motivated to explore and do so without limits or friction.



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- Need pushes out my base is not self-sufficient, but needs me to explore.
- Curiosity pulls me farther I may head out with an initial goal, but the environment I
 see and people I meet tempt me, making me want to explore.
- **Exploring is frictionless** I can instantly read the environments and know where I can go, what I can climb, what I can (and should) interact with, and where there are landmarks of interest.
- **Exploring is rewarding** when I go exploring, I find interesting environments, items, and people and always feel risk is worth the likelihood of reward.



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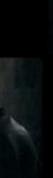


How UR designs bespoke research

Power











Oh, it's very big.





Oh, it's very big.



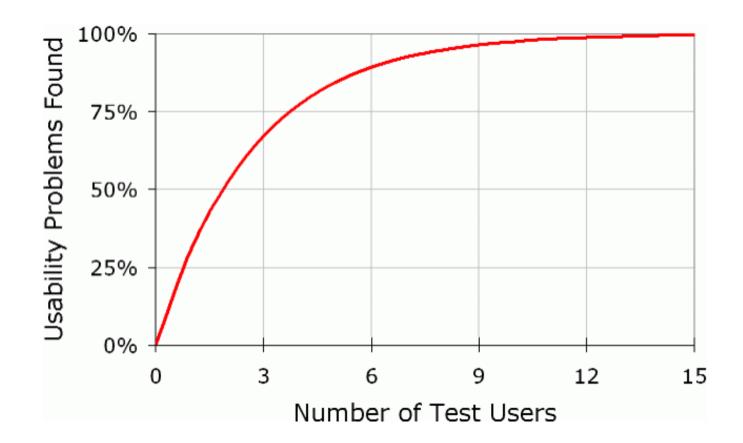




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Nielsen's ratio



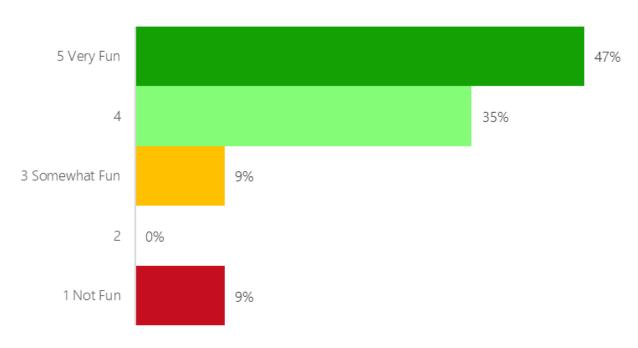


Risk



Risk

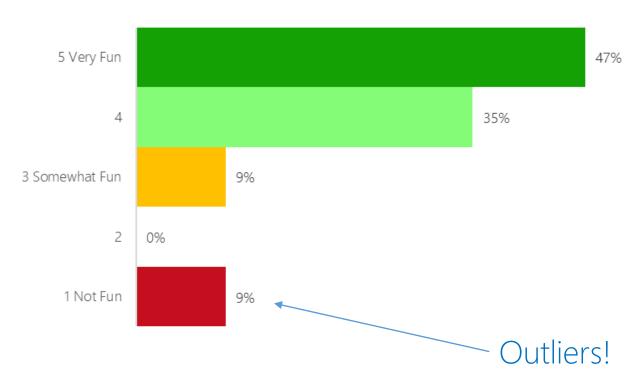
How fun is this game?





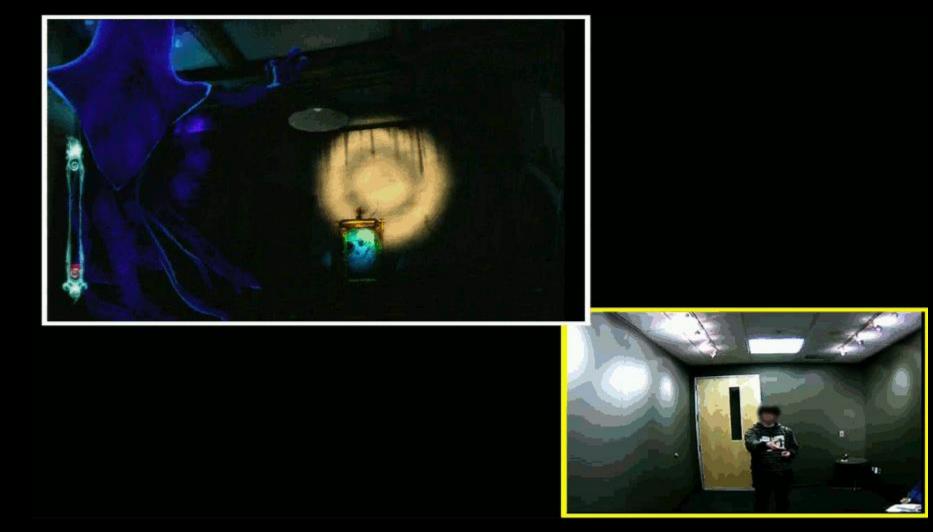
Risk

How fun is this game?









Key to playtest severity ratings

This issue will cause a substantial number of users to stop playing the game. These are game blockers and include:
The gameplay is so difficult that many participants can't progress beyond a certain point.
The pacing is so slow that many participants indicate they would quit playing because of it.
This issue will prevent a substantial number of users from enjoying a crucial feature or gameplay element. These are feature and gameplay blockers and include:
Many participants indicate that the controls are too sensitive and interfere with their enjoyment of the game.
This issue will hinder some users from enjoying a crucial feature or gameplay element or hinder many people from enjoying a
minor game element. These are feature and gameplay impedances and include:
Some participants complain that the weapon reload speed for the shotgun is too slow.
Many participants indicate that the repetitive audio effects annoy them.
This issue will cause some users to become mildly frustrated or express minor complaints about a game element or make
suggestions for improvement. These are minor feature and gameplay complaints or suggestions and include:
Some participants complain that there is not enough variation in the character's idle animations.
Some participants indicate that they would like the background music's tempo to reflect the pace of action in the game.



Control





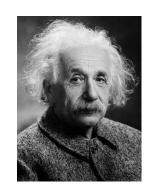




Org Chart

Phil Spencer
Useless Management Oversight

Game Designers

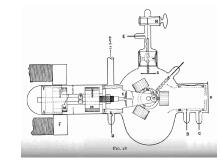


Terry Myerson

Harvinder Bhela

Useless Management Oversight

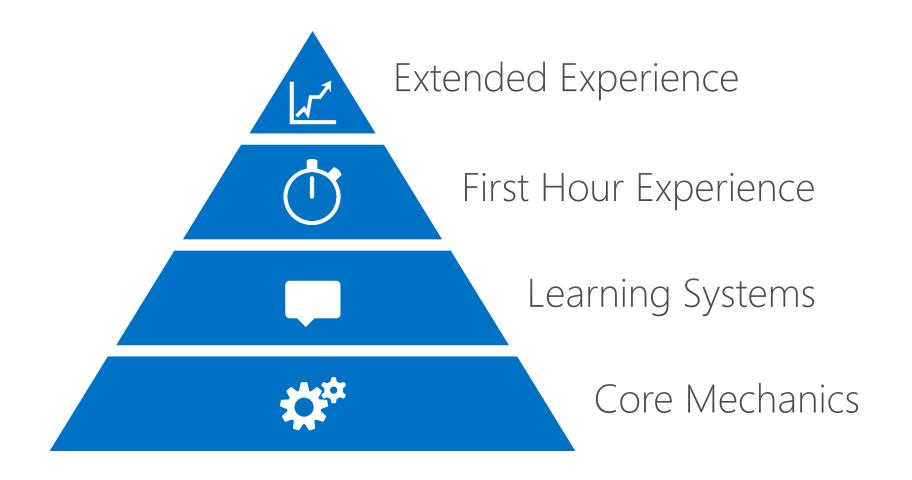
User Researchers





Noise



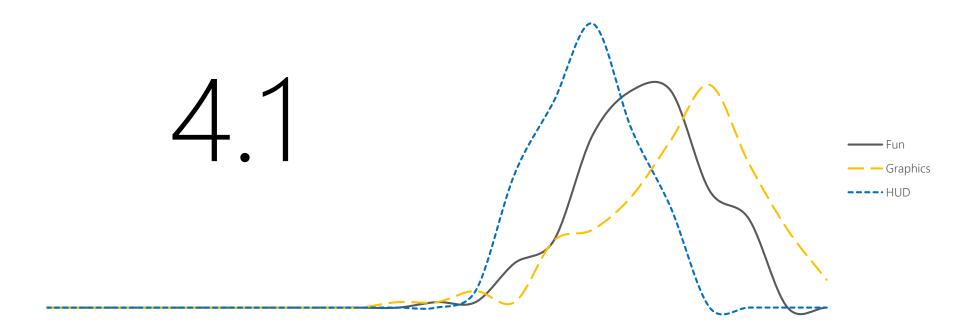




How to ensure a just interpretation of data

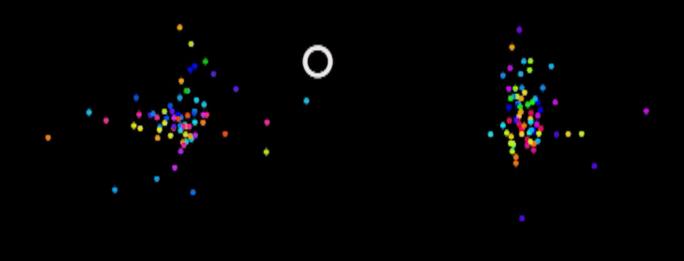
A priori

Distribution of Benchmark Scores





Actionable



Prototype

Release

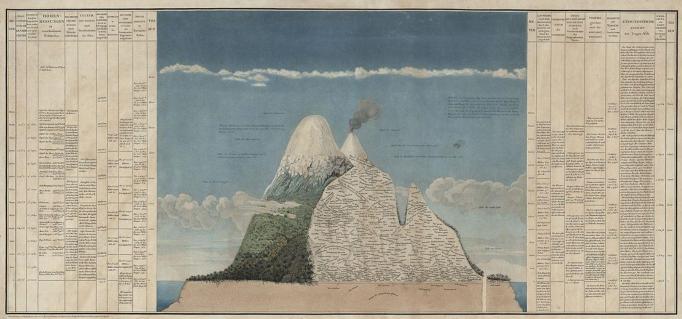
Halo 2

This part of the game is...

- Too Easy
- About Right, I'm making progress
- Too hard, I don't know what to do next
- Too hard, I don't know where to go
- Too hard, I keep getting killed



Consumable



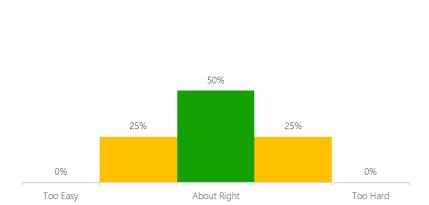
Geographie der Pflanzen in den Tropen-Ländern;

ein Raturgemälde der Anden,

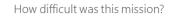
gegründet auf Bevlrachtungen und Messungen, welche vom w."Grade nördlicher bis zum w."Grade südlicher Breite angestellt worden sind, in den Jahren 1799 bis 1805.

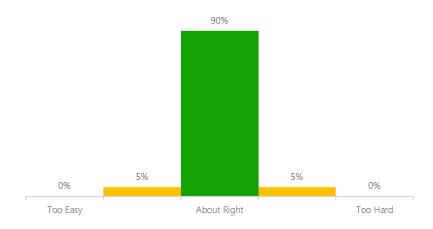
ven ALEXANDER VON HUMBOLDT und A. G. BONPLAND.



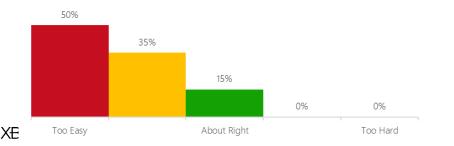


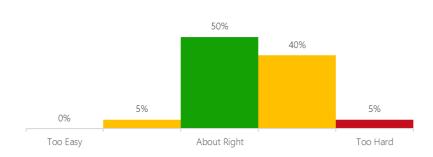
How difficult was this mission?





How difficult was this mission?





Diagnostic





Combo-Breaks





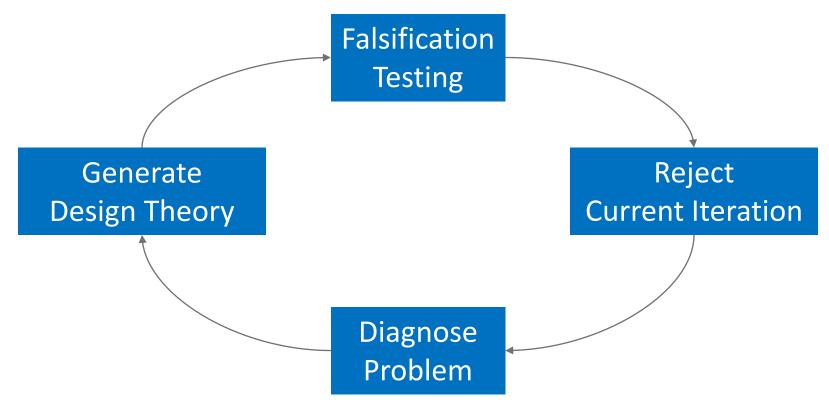


Visualize the User Experience



Wasn't this whole talk about methods?

The right method...

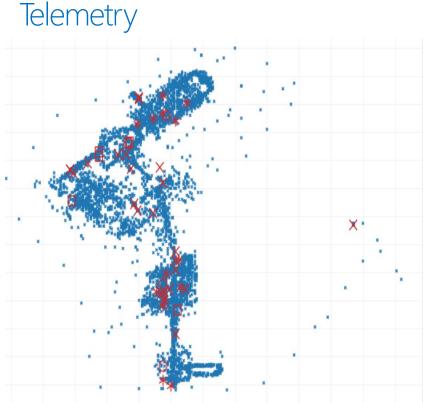




Where are players getting lost?



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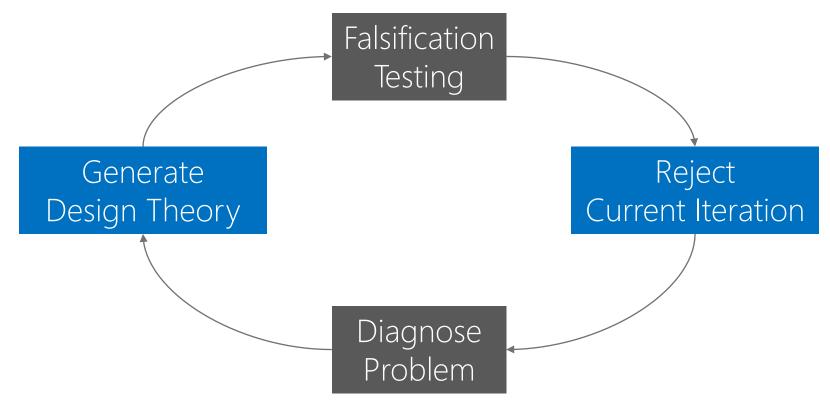
Just ask participants

95% of players got lost

"The front door to the museum was accessible and open, entering through the entrance did not trigger the antagonists or the continuation of the story. Thge puzzle entrance was difficult until I remembered the time stop power which until this point I had not used since its introduction."

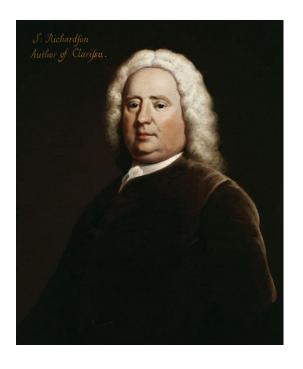


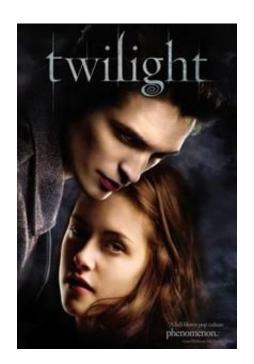
The right method...

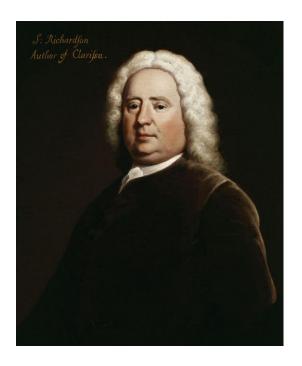










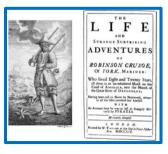


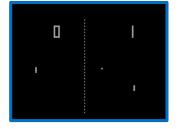


*kidnapping is bad

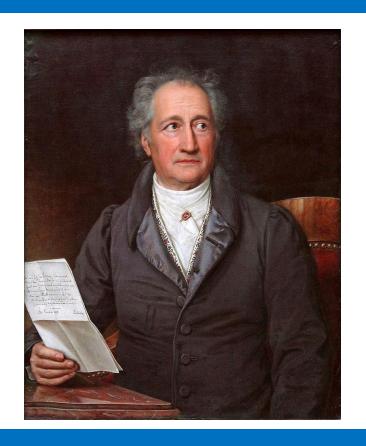
"It is a truth universally acknowledged, that a single man in possession of a good fortune must be in want of a wife."











"Daring ideas are like chessmen moved forward. They may be beaten, but they may start a winning game." - Goethe Thank you.