Session 1: Behavioral Insights X Technology (BI-Tech)





Eliciting sustainable behavior change through personalization using BI-Tech

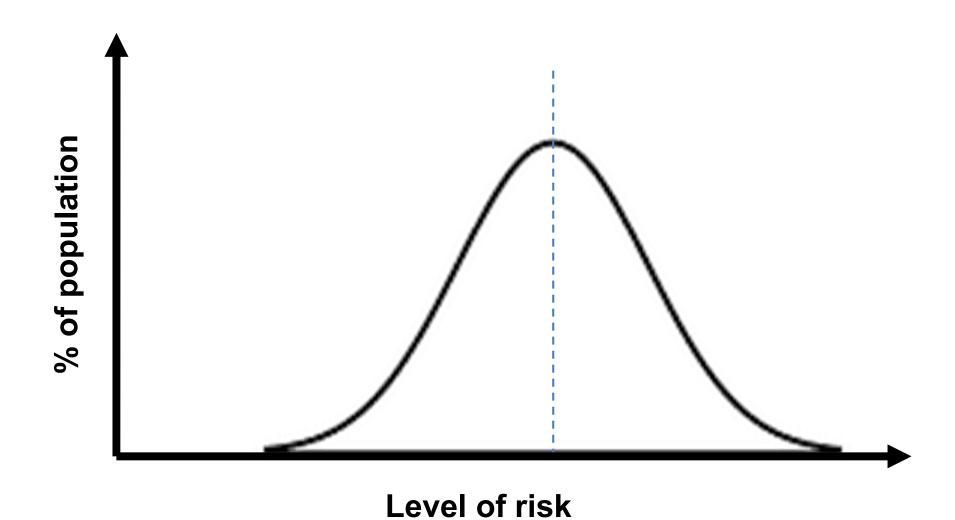
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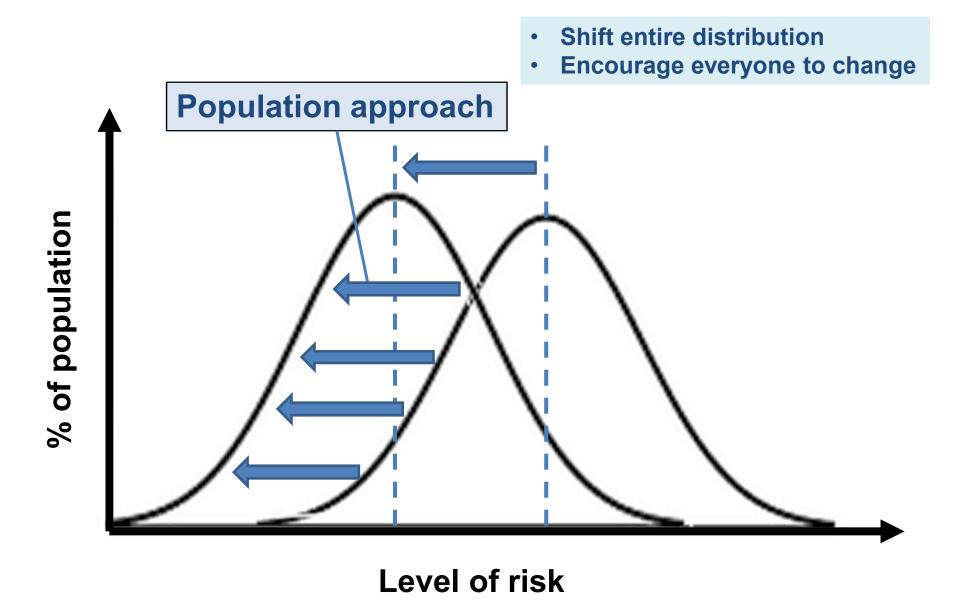


How to approach people?

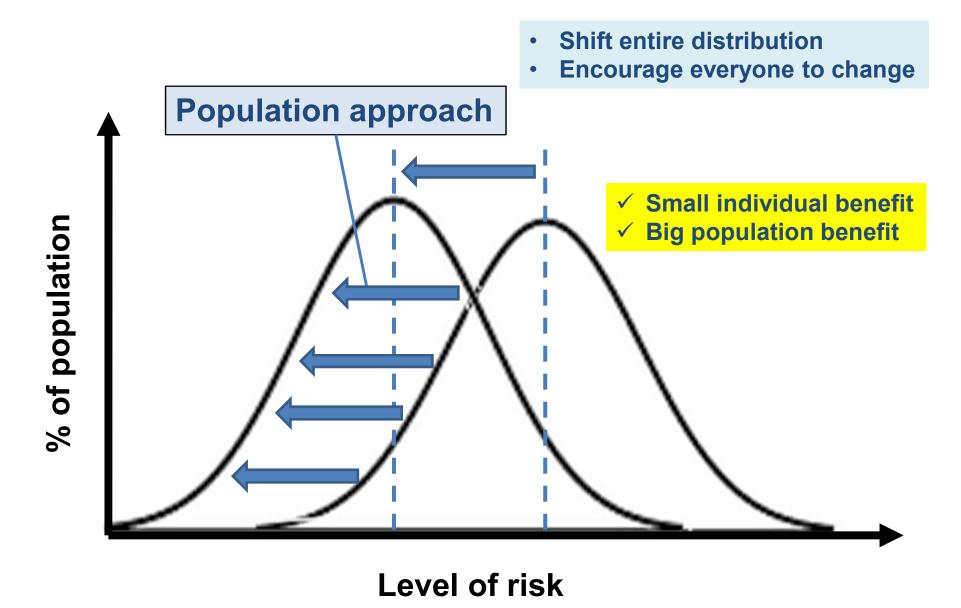






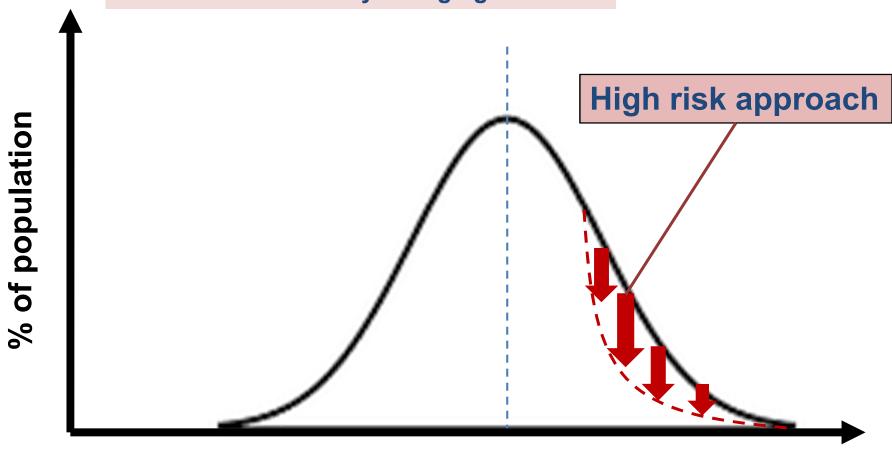








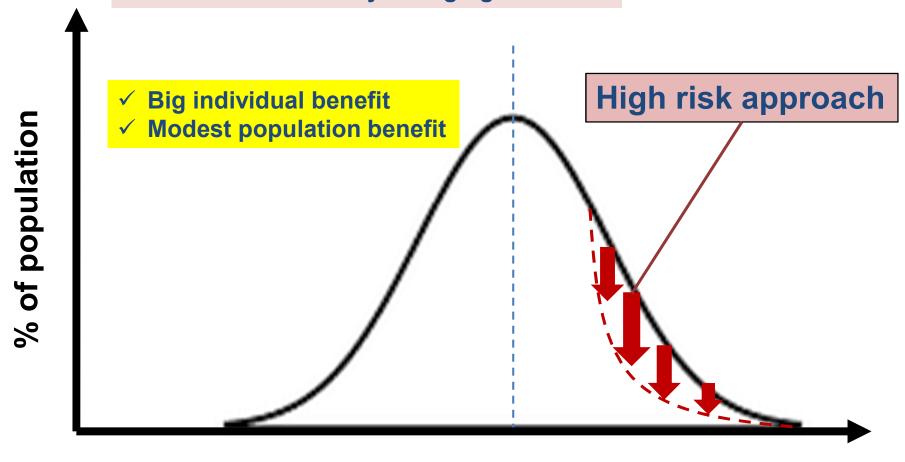
- Identify individuals at high risk
- Reduce their risk by changing behavior



Level of risk



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- Reduce their risk by changing behavior



Level of risk



Population approach



- ✓ Small individual benefit
- ✓ Big population benefit
- High risk approach
 - ✓ Big individual benefit
 - ✓ Modest population benefit

Population approach



- ✓ Small individual benefit
- ✓ Big population benefit
- High risk approach
 - ✓ Big individual benefit
 - ✓ Modest population benefit

Targeted
approach is
also effective!

Personalization is important to induce behavior change

- ✓ Japan's Ministry of the Environment has been conducting demonstration projects to facilitate low-carbon behavior change by using behavioral insights since 2017.
- ✓ Specifically, a person/household receives <u>personalized</u> <u>feedback</u> leveraging <u>big data</u> analytics (for instance, by <u>AI</u> <u>technology</u>), by collecting energy consumption data and lifestyle attributes through <u>IoT technology</u>.

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Behavioral Insights x Technology => BI-Tech

Sending personalized messages through use of BI-Tech

Digital nudge using mobile app



Eco-driving nudge on a mobile app w/ GPS sensor

