Assistant overview

Aiding SuStainable Independent Senior TrAvellers to Navigate in Towns

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Assistant Motivation

- To do successful and independent aging <u>is to be engaged in the world</u>
- Mobility is the first step in engagement
- For seniors, independence and participation in the world often requires use of public transport
  - especially if they lose the ability to drive, due to aging.

Assistant is a 3 year 2.67 M€ AAL project with partners from: Austria, Finland, France, United Kingdom, and Spain

Partners expertise spanning transportation policy to bus system infrastructure to human factors interface design, to assistive technology to seniors groups

www.aal-assistant.eu

Assistant Details

- ASSISTANT is system supporting public transportation usage of older travellers
  - Presents (push to user) only needed and timely information (i.e.. This is *your* bus get on *now*)
  - The information is given through a smartphone
  - Route design done with a web application on a PC
  - Knows about accessibility of terminals & transfer points, thus accommodates different disabilities
  - Provides guide for last kilometre from exit of public transport to route goal
  - Provides contextualized and customized help in getting back on track when lost
- Users can
  - Create their own routes,
  - Get pervasive feedback to stay on the route
  - Get help in case of they are disoriented
- System will be installed and tested in
  - Paris
  - Vienna
  - San Sebastián
- Intent to have commercially viable product by 2017

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Thanks!

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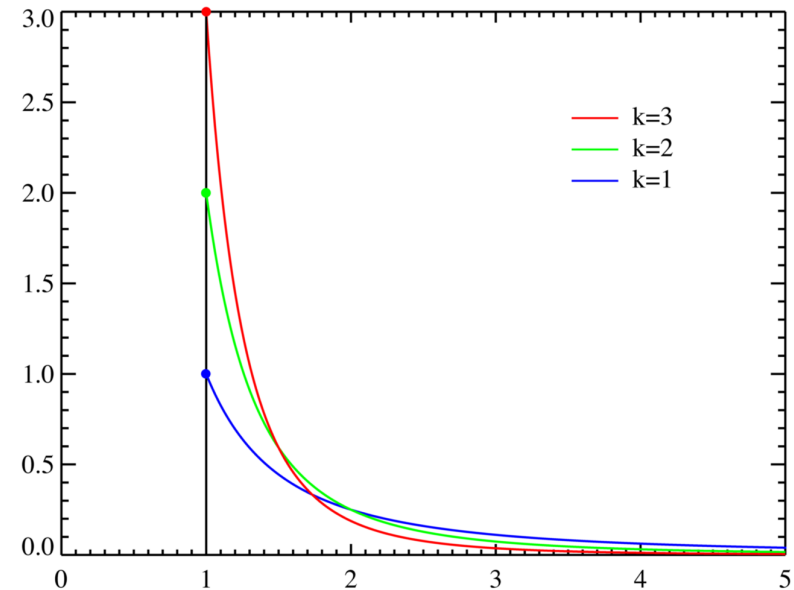# ASSISTANT Provides Safety And Security

- Error trapping

- Remediation functionality

- Responsive to the user's
  - Physical requirements and limitaitons
  - Cognitive capacities and preference

Error Trapping

- Pareto distribution
- (80% of the results come from 20% of the causes)

Two classes –
    1) Things we can anticipate
    2) Everything else

A real AI challenge User modelling too.