The trend towards truly ubiquitous and pervasive computing raises the issue of how people should interact with data.

Current deployment of home network infrastructure

Three key challenges: providing legibility; enabling agency; supporting negotiability

One action may be to feed inferences back into input data for subsequent analysis.

Inferences, often opaque to users, are drawn from input data and used to drive actions.

Actions based on our data and that of others affect our subsequent behaviour.

We need User-Centric Systems, to bring infrastructures under user control while still enabling them to exist for the benefit of all.

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