

Intimate Data in Relationships:

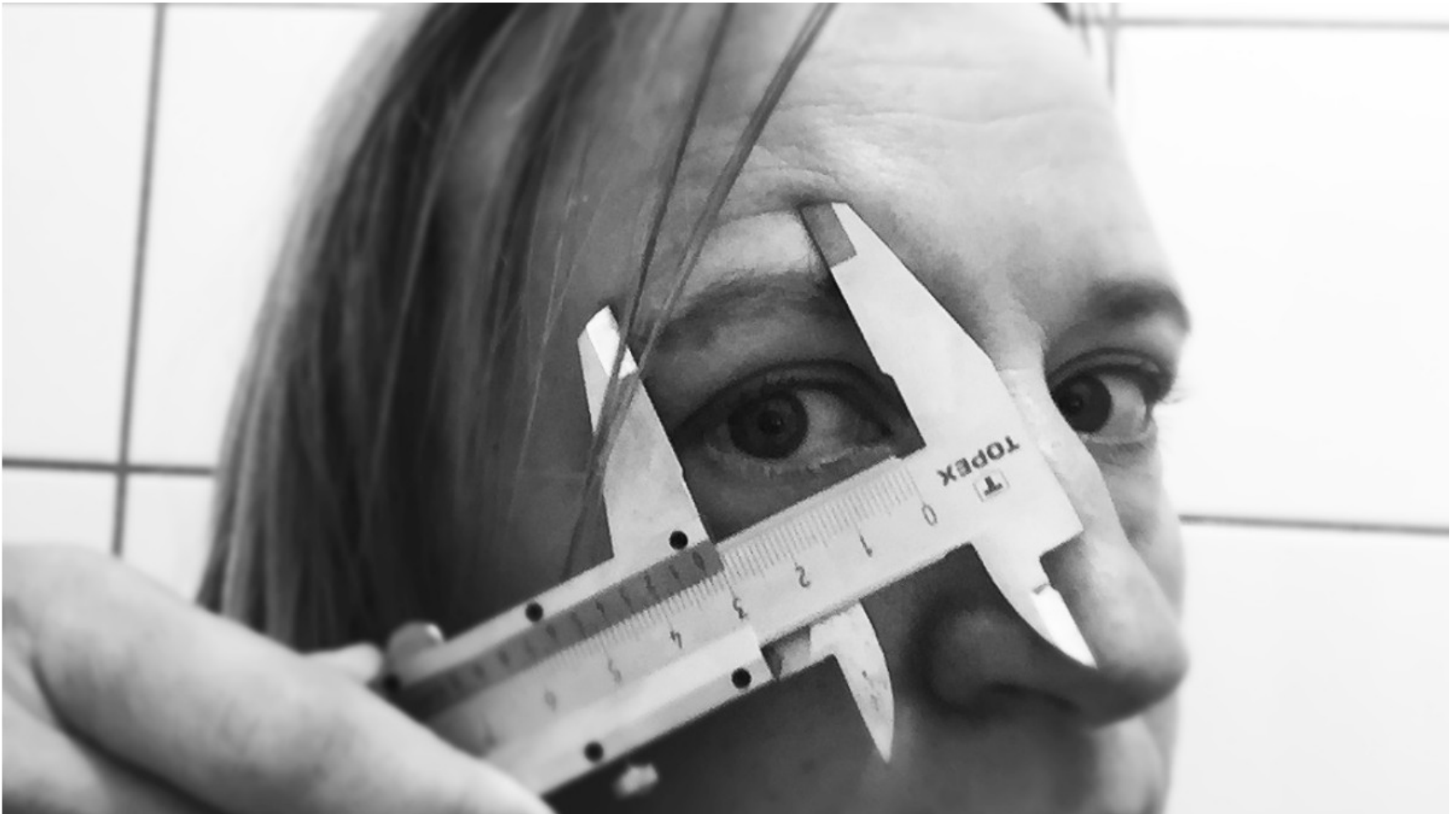
Tracking, Sharing, Surveillance – Personal Boundaries?

Diana Irmscher

Supervisors: Hanna Schneider | Mariam Hassib

Advanced Seminar in Media Informatics | Munich | 2018-07-27

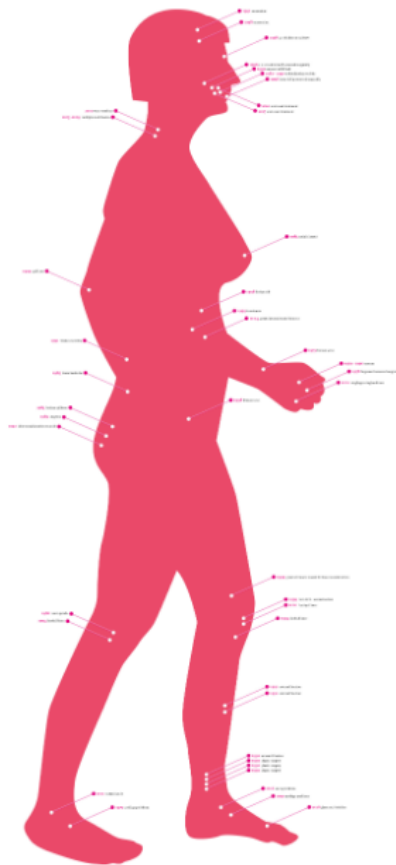
The Quantified Self



The Quantified Self



The Quantified Self



year	month	description	cause	skin	length in mm	width in mm	age in months
1989	7	dog bite	dog bite	x	31	25	352
1991	5	fractured bone plus fleshwound	car accident	x	240	50	313
1991	5	external fixation	car accident	x	14	9	313
1991	5	external fixation	car accident	x	12	10	313
1991	5	external fixation	car accident	x	16	8	313
1991	5	external fixation	car accident	x	13	9	313
1991	5	plastic surgery	car accident	x	240	50	313
1992	1	plastic surgery	car accident	x	80	53	305
1992	1	plastic surgery	car accident	x	98	7	305
1992	3	plastic surgery	car accident	x	98	7	305
1992	1	skin transplanted to ankle	car accident	x	65	55	305
1998	4	5 x stitches on eyebrow	bike accident	x	32	3	222
1999	8	piece of muscle reused	ski injury	x	8	4	218
1999	8	torn ACL - reconstruction	ski injury	x	40	4	218
1999	8	torn ACL - reconstruction	ski injury	x	9	6	218
1999	8	torn ACL - reconstruction	ski injury	x	6	6	218
1999	8	torn ACL - reconstruction	ski injury	x	7	5	218
2000	8	'cyclops' knee	ski injury	x	7	5	202
2004	5	4 stitches underarm	wine incident	x	14	5	158
2016	9	glass cut, 6 stitches	trash incident	x	34	3	9

Why do people track themselves?

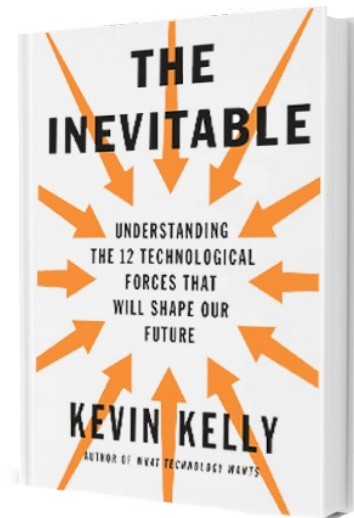
Connected + The Quantified Self

What problem
are you solving for?



I want to control my own
WELL BEING.

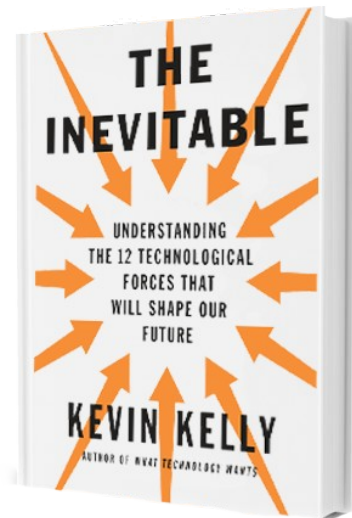
What data can be tracked?



[Kelly, 2016]

What data can be tracked?

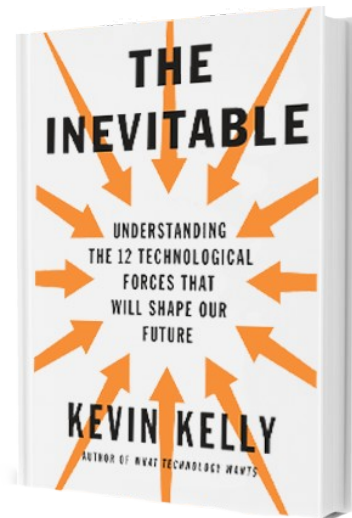
“I can honestly say that anything that can be tracked is being tracked by someone somewhere.”



[Kelly, 2016]

What data can be tracked?

“I can honestly say that anything that can be tracked is being tracked by someone somewhere.”



“Self-tracking is much broader than health. It is as big as our life itself.”

[Kelly, 2016]

What is about intimate data?



What is about intimate data?

- Which data are perceived as intimate?



What is about intimate data?

- Which data are perceived as intimate?
- How can we track our relationship?



What is about intimate data?

- Which data are perceived as intimate?
- How can we track our relationship?
- Why do people track intimate data in relationships?



What is about intimate data?

- Which data are perceived as intimate?
- How can we track our relationship?
- Why do people track intimate data in relationships?
- What do they do with it?



What is about intimate data?

- Which data are perceived as intimate?
- How can we track our relationship?
- Why do people track intimate data in relationships?
- What do they do with it?
 - Do they over-trust the tracked data?



What is about intimate data?

- Which data are perceived as intimate?
- How can we track our relationship?
- Why do people track intimate data in relationships?
- What do they do with it?
 - Do they over-trust the tracked data?
 - How do they perceive their tracked data?



What data are perceived as intimate?

[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

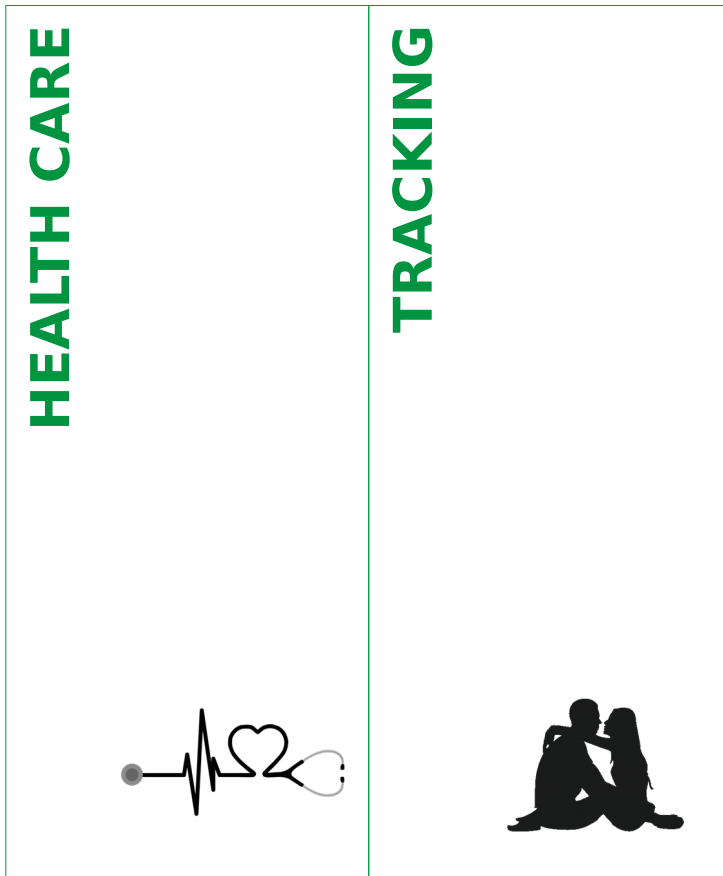
What data are perceived as intimate?

HEALTH CARE



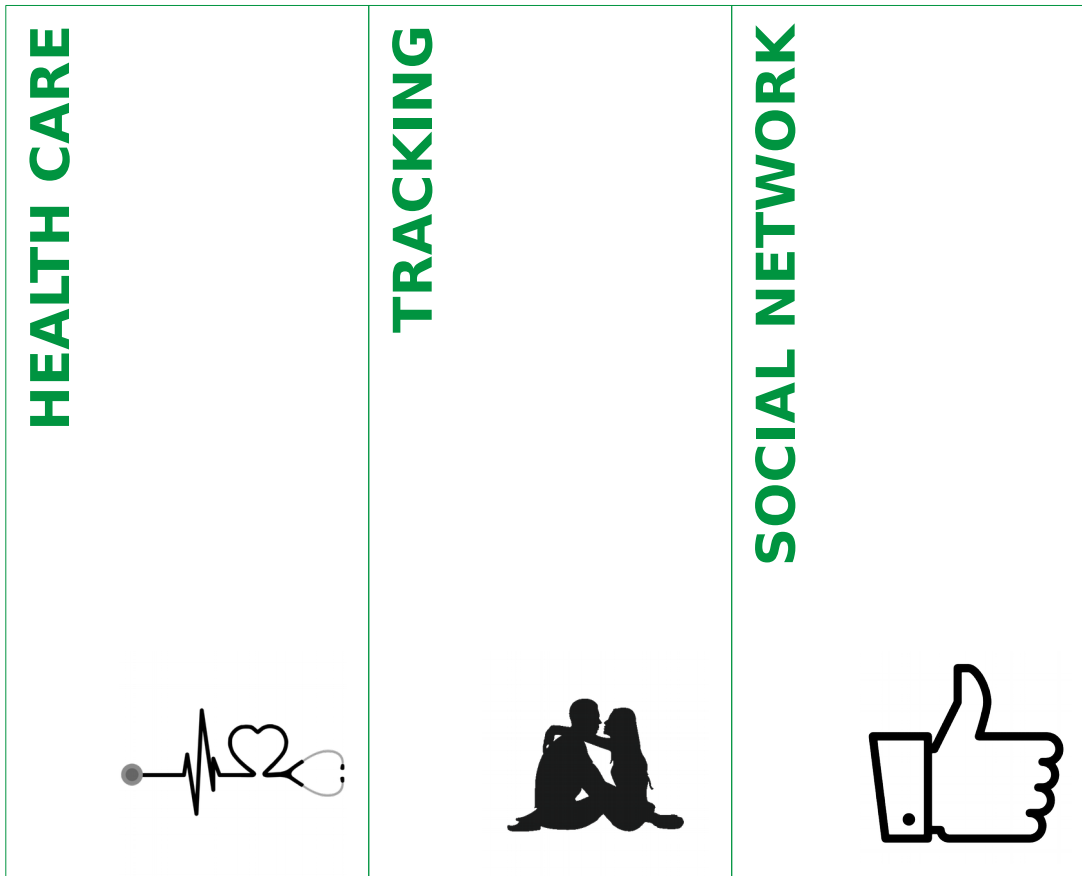
[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

What data are perceived as intimate?



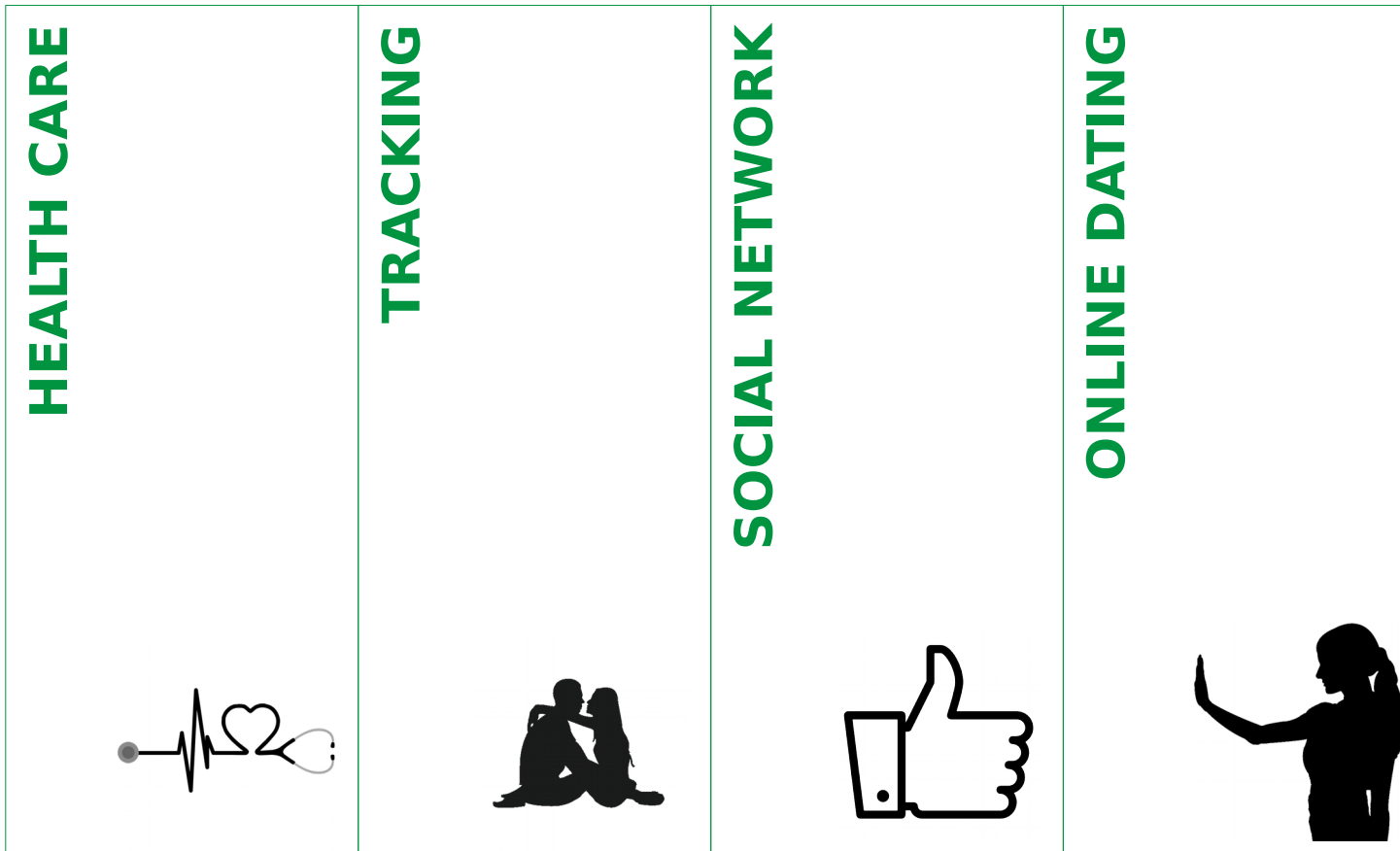
[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

What data are perceived as intimate?



[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

What data are perceived as intimate?



[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

What data are perceived as intimate?

HEALTH CARE



TRACKING



SOCIAL NETWORK



ONLINE DATING

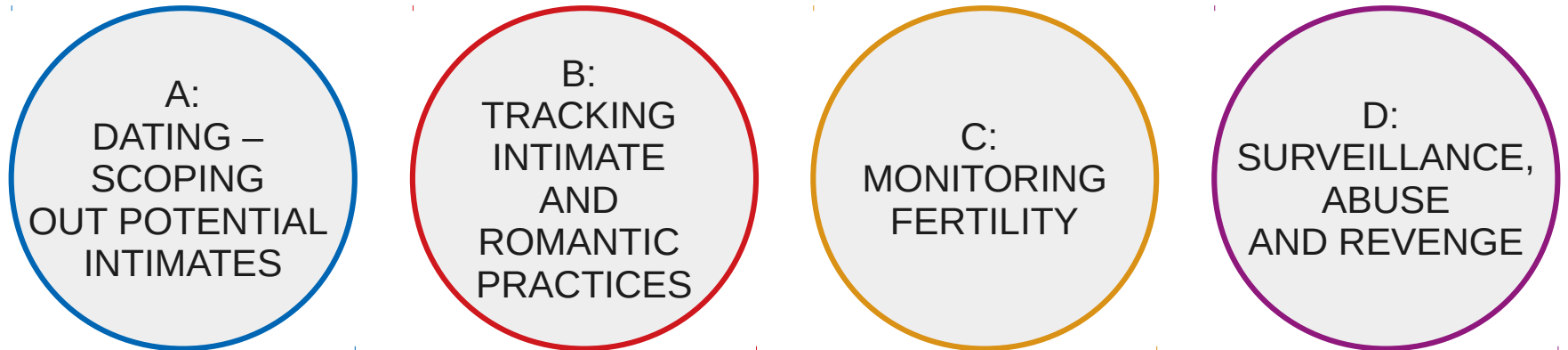


SURVEILLANCE



[Levy, 2014], [Lupton, 2015], [Danaher et al., 2018]

The Life Course of Intimate Relationships



[Levy, 2014]

A: Dating – Scoping out potential intimates

[Levy, 2014]

A: Dating – Scoping out potential intimates



- Google someone
- Find information in the web

[Levy, 2014]

A: Dating – Scoping out potential intimates



- Google someone
- Find information in the web

The Facebook logo, featuring the word "facebook" in white lowercase letters on a dark blue rectangular background.

facebook

- Facebook stalking
- Search for public entries, mutual friends, likes, etc.

[Levy, 2014]

A: Dating – Scoping out potential intimates



- Google someone
- Find information in the web



- Facebook stalking
- Search for public entries, mutual friends, likes, etc.



- Information about education
- Age-rank of matches
- When/where online conversation with matched happens
- Interests and jobs
- Pictures (Instagram)
- Sexual preferences

[Levy, 2014]

A: Dating – Scoping out potential intimates



[Nandwani et al., 2018]

A: Dating – Scoping out potential intimates

- Users disclosed information quickly to strangers



[Nandwani et al., 2018]

A: Dating – Scoping out potential intimates

- Users disclosed information quickly to strangers
- Most published data were personal data: full name, date of birth, phone numbers, work detail, email-addresses, complete home address



[Nandwani et al., 2018]

B: Tracking Intimate and Romantic Practices



[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

→ Intimate tracking



[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

- ➡ Intimate tracking
- ➡ Intimate Gamification



[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

- ➡ Intimate tracking
- ➡ Intimate Gamification

- wearable sex toys/devices
 - Lovely
 - kGoal



[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

- ➡ Intimate tracking
- ➡ Intimate Gamification

- wearable sex toys/devices
 - Lovely
 - kGoal
- Tracking application
 - SexTracker



[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

- Really intimate data stored on servers

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

- Really intimate data stored on servers
- Not always guaranteed that the data are anonymous

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

- Really intimate data stored on servers
- Not always guaranteed that the data are anonymous
- Data can be resold

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

- Really intimate data stored on servers
- Not always guaranteed that the data are anonymous
- Data can be resold
- Automatic recording by application

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

Risks that may arise:

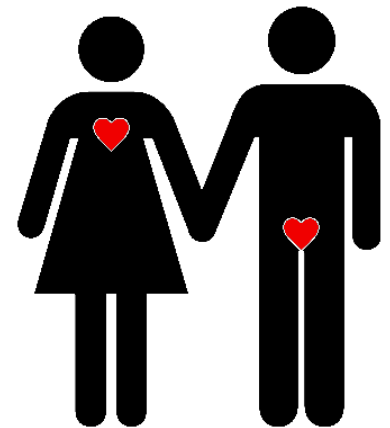
- Really intimate data stored on servers
- Not always guaranteed that the data are anonymous
- Data can be resold
- Automatic recording by application
- Quantification of act, similar to a sport activity

[Danaher et al., 2018]

B: Tracking Intimate and Romantic Practices

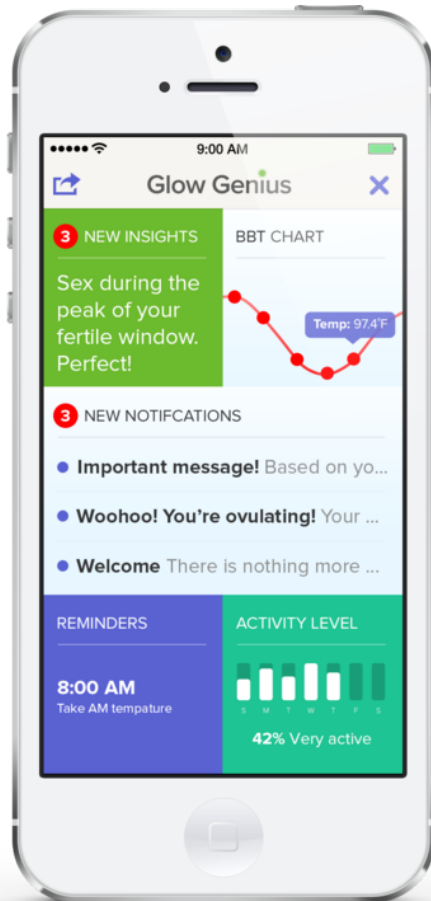
Risks that may arise:

- Really intimate data stored on servers
- Not always guaranteed that the data are anonymous
- Data can be resold
- Automatic recording by application
- Quantification of act, similar to a sport activity
- Supports gender stereotypes



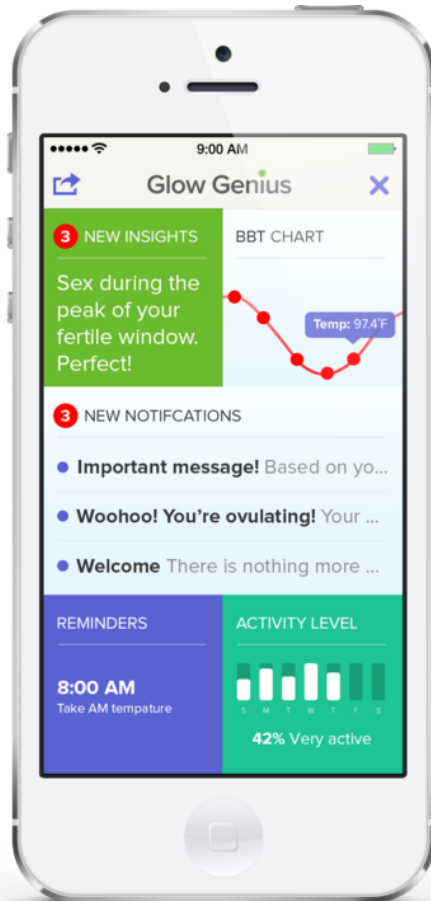
[Danaher et al., 2018]

C: Monitoring Fertility



[Lupton, 2018]

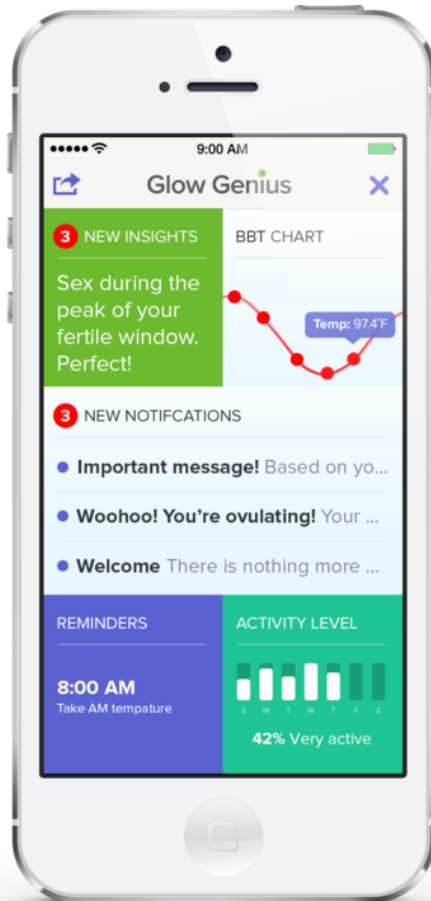
C: Monitoring Fertility



- These types of data make woman to an object of surveillance and quantification

[Lupton, 2018]

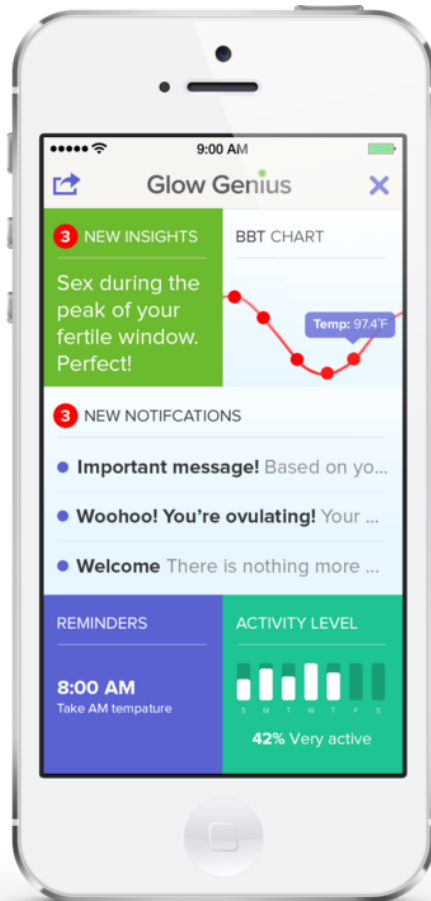
C: Monitoring Fertility



- These types of data make woman to an object of surveillance and quantification
- Gives the impression that the cycle of a woman is unsupervised chaotic

[Lupton, 2018]

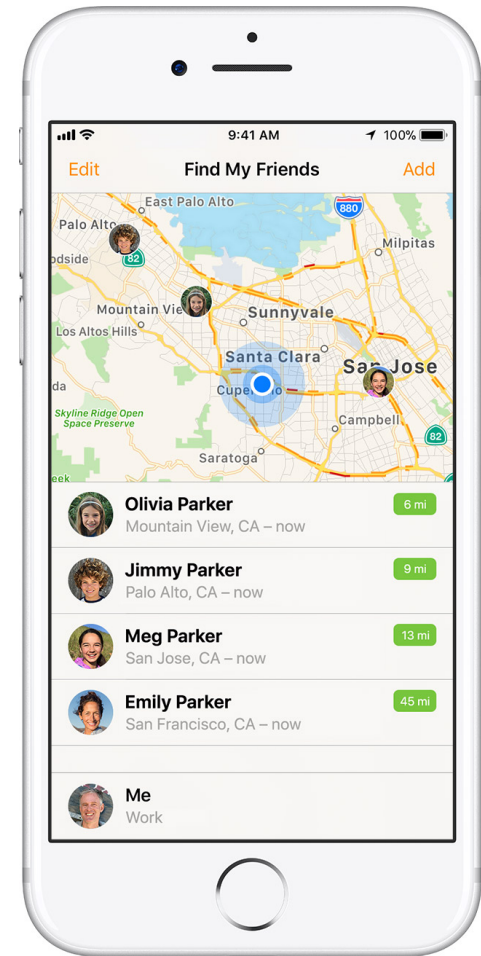
C: Monitoring Fertility



- These types of data make woman to an object of surveillance and quantification
- Gives the impression that the cycle of a woman is unsupervised chaotic
- Promote the enhancement of gender stereotypes

[Lupton, 2018]

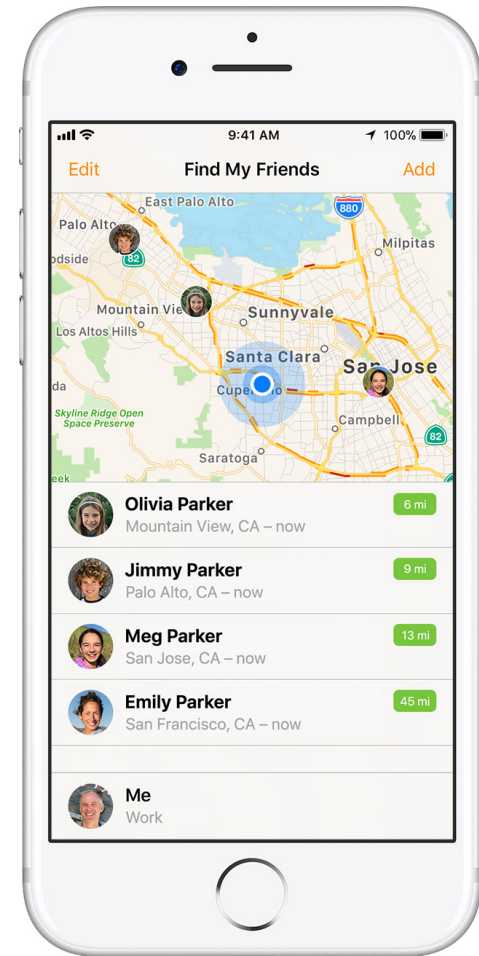
D: Surveillance, Abuse and Revenge



[Danaher et al., 2018]

D: Surveillance, Abuse and Revenge

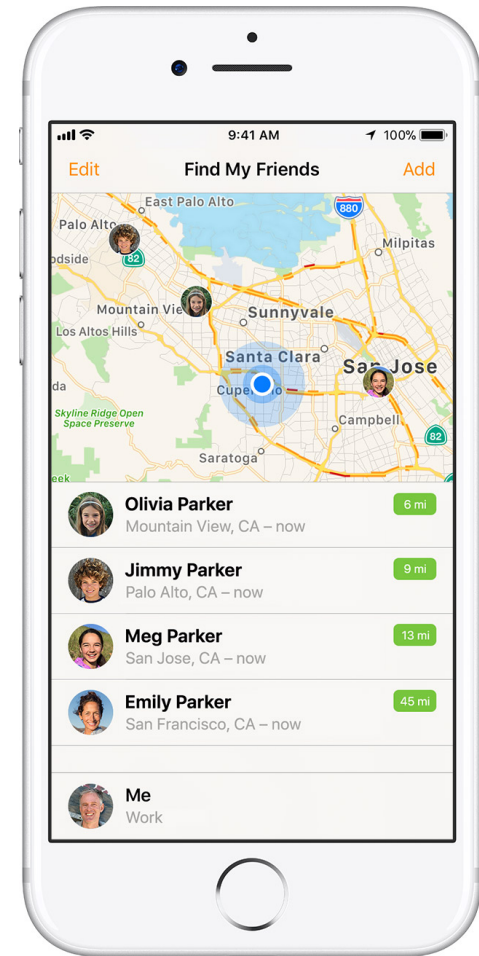
- Surveillance through location-based tracking



[Danaher et al., 2018]

D: Surveillance, Abuse and Revenge

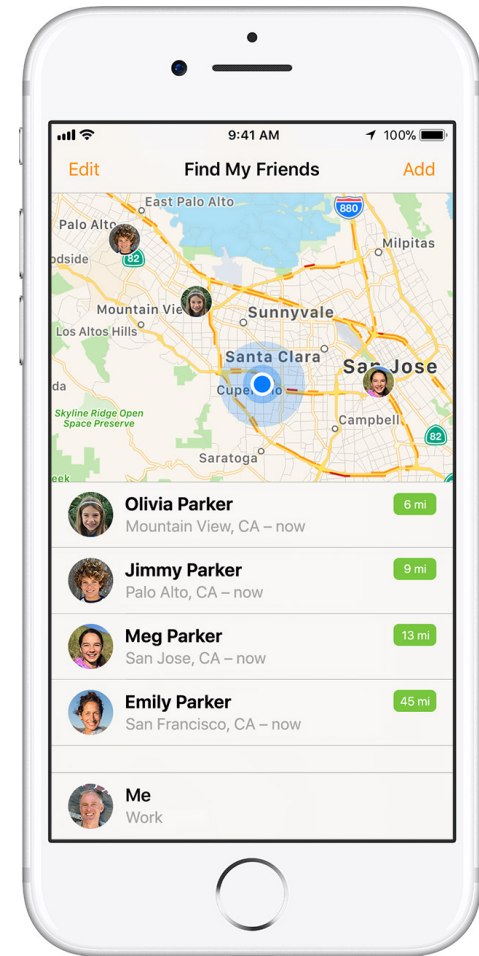
- Surveillance through location-based tracking
- People track their location with the partner, family and friends



[Danaher et al., 2018]

D: Surveillance, Abuse and Revenge

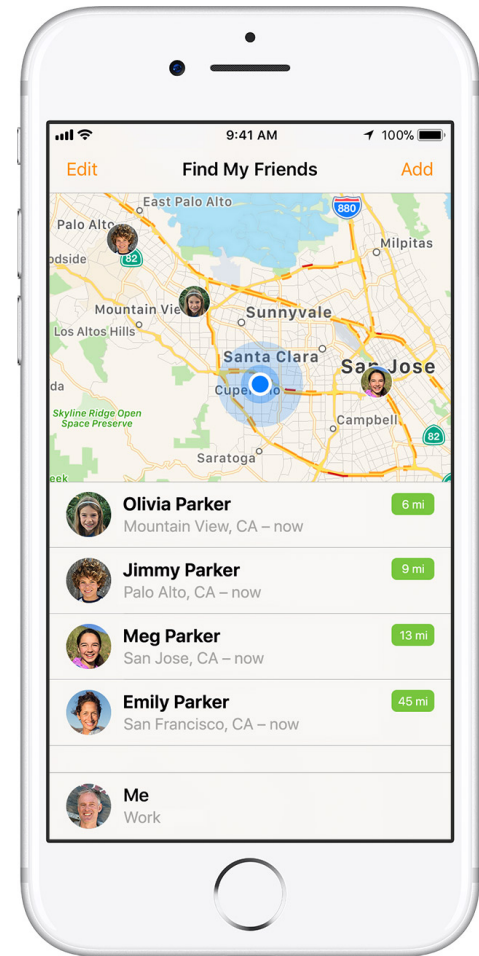
- Surveillance through location-based tracking
- People track their location with the partner, family and friends
- Urge for control



[Danaher et al., 2018]

D: Surveillance, Abuse and Revenge

- Surveillance through location-based tracking
- People track their location with the partner, family and friends
- Urge for control
- Does location tracking influence the love in a relationship?



[Danaher et al., 2018]

D: Surveillance, Abuse and Revenge



[Freed et al., 2018]

D: Surveillance, Abuse and Revenge



- Technologies can be misused for other purposes

[Freed et al., 2018]

D: Surveillance, Abuse and Revenge



- Technologies can be misused for other purposes
- People exploit technologies to intimidate, threaten, monitor or harass the partner, ex-partner...

[Freed et al., 2018]

D: Surveillance, Abuse and Revenge



- Technologies can be misused for other purposes
- People exploit technologies to intimidate, threaten, monitor or harass the partner, ex-partner...
- Security measures are often not enough in this case

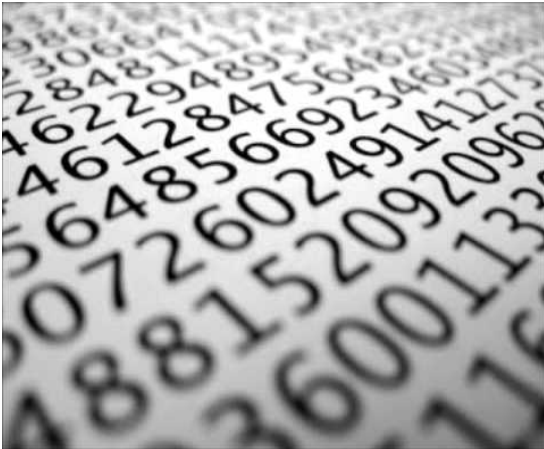
[Freed et al., 2018]

Risks

Risks

Quantification

- Risk of losing the reference to the data
- User should be aware of purpose



Risks

Quantification

- Risk of losing the reference to the data
- User should be aware of purpose



Trust

- Focus can be solely on data
- Trust can be lost



Risks

Quantification

- Risk of losing the reference to the data
- User should be aware of purpose



Trust

- Focus can be solely on data
- Trust can be lost



Privacy

- Privacy is important and should not be forgotten
- Interpersonal issues also play a role



Benefits

Benefits

Quantification

- Reflect oneself
- Get more insights and control



Benefits

Quantification

- Reflect oneself
- Get more insights and control



Trust

- New possibilities of trust
- More spontaneity in relationship



Benefits

Quantification

- Reflect oneself
- Get more insights and control



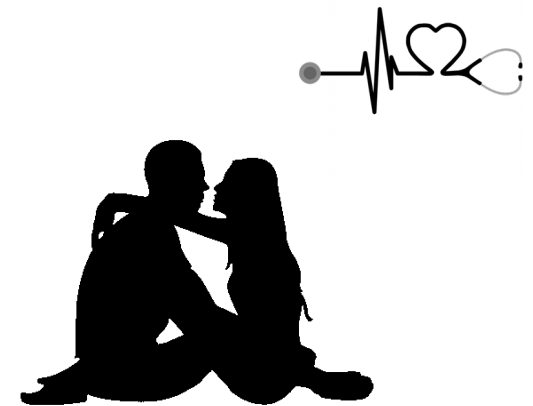
Trust

- New possibilities of trust
- More spontaneity in relationship



Health Care

- Insights into health and activity
- More awareness
- Better perception



Open Questions...



Open Questions...

- Is location-based tracking already used in relationships today, and to what extent?



Open Questions...

- Is location-based tracking already used in relationships today, and to what extent?
- Does mutual location-based tracking of the partners influence the trust in the relationship?

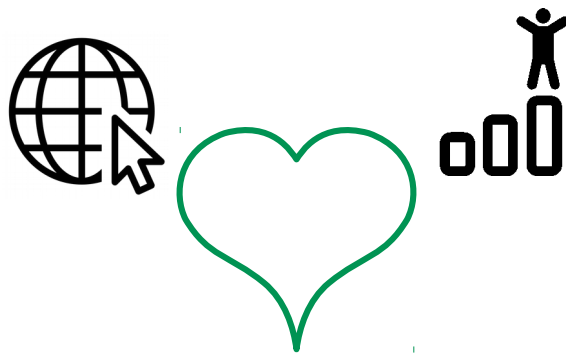


Open Questions...

- Is location-based tracking already used in relationships today, and to what extent?
- Does mutual location-based tracking of the partners influence the trust in the relationship?
- What are the long-term benefits or consequences of tracking each other?

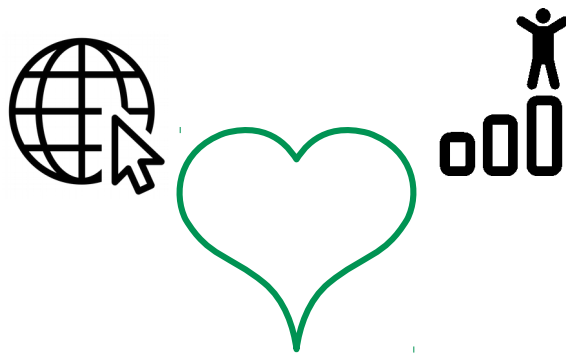


Conclusion



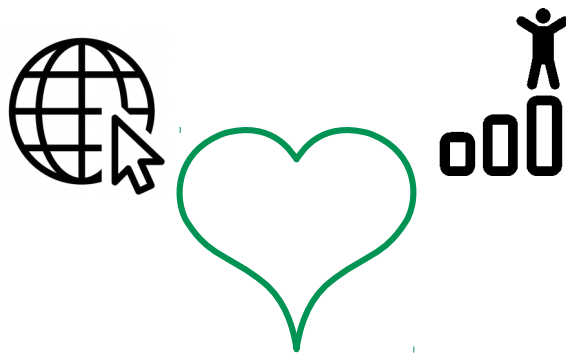
Conclusion

- Intimate data arise predominantly from intimate activities.



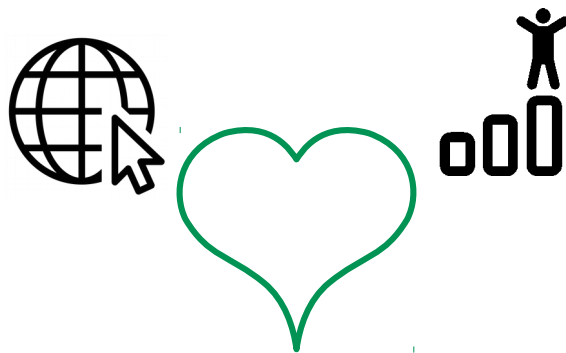
Conclusion

- Intimate data arise predominantly from intimate activities.
- View of which data is intimate can change, depending on circumstances.



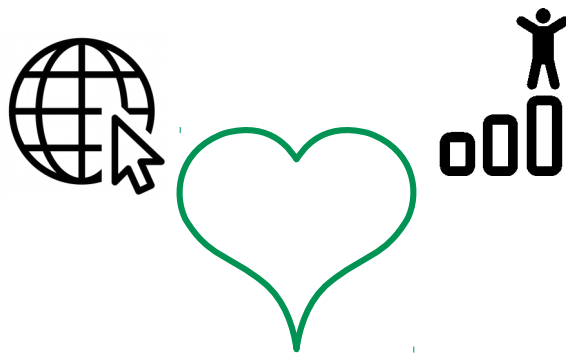
Conclusion

- Intimate data arise predominantly from intimate activities.
- View of which data is intimate can change, depending on circumstances.
- What is intimate is partially perceived subjectively.



Conclusion

- Intimate data arise predominantly from intimate activities.
- View of which data is intimate can change, depending on circumstances.
- What is intimate is partially perceived subjectively.
- Love and Relationships are influenced by the internet and self-optimization.



Sources for images

- Slide 2,3,4: http://qs17.quantifiedself.com/slides/S2_3_EllisBartholomeus_Scars.pdf
- Slide 5,18: <https://medium.com/re-write/creating-a-quantified-self-how-i-use-data-to-combat-chronic-health-issues-a88af3536020>
- Slide 6: https://de.wikipedia.org/wiki/Datei:Vitruvianischer_Mann.jpg
- Slide 6: <https://www.amazon.de/Inevitable-Understanding-Technological-Forces-Future/dp/0525428089>
- Slide 7, 18: <https://www.kisspng.com/png-kiss-silhouette-intimate-relationship-couple-717250/>
- Slide 8: <https://www.kisspng.com/png-heart-stethoscope-nursing-medicine-registered-nurs-1531150>
- Slide 8: <https://www.kisspng.com/png-facebook-like-button-computer-icons-youtube-facebo-1540692>
- Slide 8: <https://www.kisspng.com/png-national-rifle-association-self-defense-violence-g-1365552>
- Slide 8: <https://www.kisspng.com/png-gps-navigation-systems-globe-computer-icons-gps-tr-831797>
- Slide 8: <https://www.kisspng.com/png-silhouette-couple-sitting-romantic-728355>
- Slide 10: <https://de.wikipedia.org/wiki/Datei:Logo-Tinder.svg>
- Slide 10: [https://de.wikipedia.org/wiki/Datei:Facebook_New_Logo_\(2015\).svg](https://de.wikipedia.org/wiki/Datei:Facebook_New_Logo_(2015).svg)
- Slide 10: https://de.wikipedia.org/wiki/Datei:Google_2015_logo.svg
- Slide 11: <https://europensblog.wordpress.com/2015/03/23/the-future-of-personal-data-protection-in-the-eu-should-we-be-afraid-of-it/>
- Slide 12, 18: <https://www.medicaldaily.com/lovely-wearable-sex-toy-boosts-intimacy-prolonging-erection-fitbit-your-penis-337074>
- Slide 13: <http://lovequestionlifeanswer.org/en/gender/what-are-gender-roles-and-stereotypes>
- Slide 14: <http://blog.glowing.com/post/61992140764/introducing-glow-genius>
- Slide 15: <https://support.apple.com/en-us/ht201087>
- Slide 15: <https://de.depositphotos.com/80120008/stock-illustration-broken-heart-icon-divorce-sign.html>
- Slide 16: <https://es.kisspng.com/png-anger-divorce-silhouette-screaming-interpersonal-r-655724/>
- Slide 17: https://www.youtube.com/watch?v=QP5J9-D7_jw
- Slide 17: <https://thegiftshed.wordpress.com/tag/queens-park/page/1/>
- Slide 17: <https://thinkhighlands.com/blog-posts>
- Slide 19: https://www.flaticon.com/free-icon/broadcast_89571
- Slide 20: <https://icons8.de/icon/53372/internet>
- Slide 20: <https://www.shareicon.net/tag/success?p=5>