Knows more than your family….

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| How might advertisers make use of location information? |  |
| What are the benefits of making location information available to others? |  |
| What are the drawbacks? |  |
| What does the algorithm developed by the research team from Birmingham University do? |  |

How much info do they hold?

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| --- | --- |
| What personal information does Google hold about James? |  |
| What other information is there about James that he can’t find out about? |  |
| Google uses cookies to determine which adverts to display. What is a cookie? |  |

Cookies:

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**Security threats to data**

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| **Security threat** | **Description** | **What organisations can do to prevent them** |
| **Viruses** |  |  |
| **Hackers** |  |  |
| **Phishing** |  |  |
| **Trojan horses** |  |  |
| **Worms** |  |  |
| **Impersonation** |  |  |
| **Password cracking** |  |  |
| **Denial of service attacks** |  |  |
| **Eavesdropping** |  |  |
| **Network spoofing** |  |  |
| **Mail bombing** |  |  |
| **Macro viruses** |  |  |

**Legislation surrounding computer science**

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| **Legislation**  | **Description** |
| **The Data Protection Act (1998)** |  |
| **EU Cookie Law (The e-Privacy Directive) (2011)** |  |
| **The Computer Misuse Act (1990)** |  |
| **The Copyright, Designs and Patents Act (1988)** |  |
| **The Patents Act (1977)** |  |