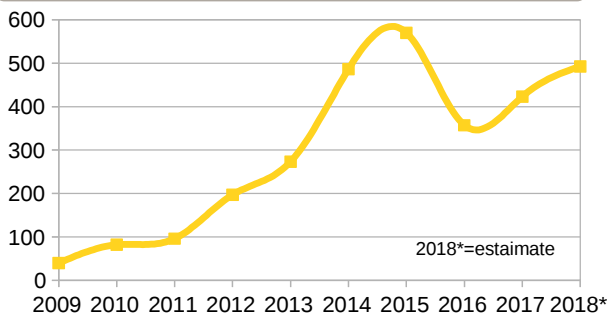
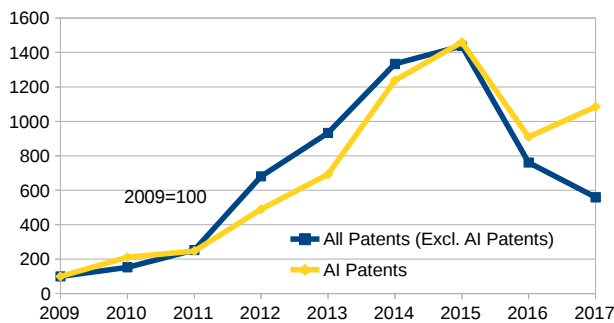


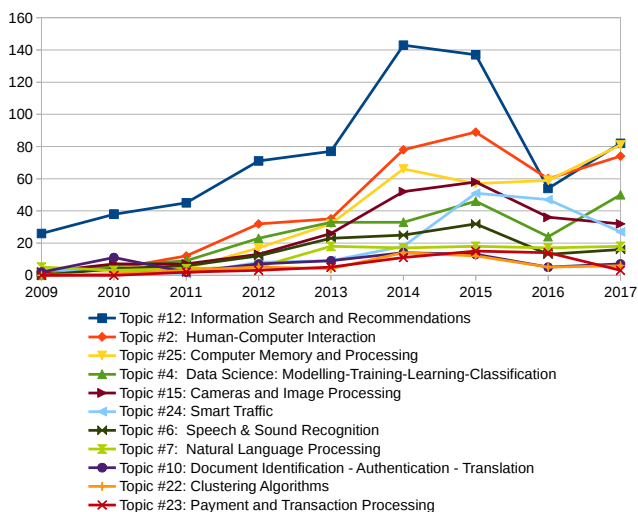
AI PATENTS 2009-2018



AI vs OTHER PATENTS



AI PATENT FOCUS



- **Google's AI strategy** is to create **strong capabilities and patent positions in core data science and computer technology** areas.
- If successful, Google's AI technology and patents will have **implications across wide range of technologies and business**.
- Google's **AI patent effort increases currently faster than Google's other patenting**, and the difference is increasing, demonstrating AI's importance for it.
- Google aims to create enabling and platform technologies, and AI directly applicable to specific business domains (e.g. smart traffic or payments) is of secondary importance.
- Google ranks currently among three largest AI patentees (2018 – prediction) with Microsoft and Samsung.
- Google has intensified significantly its AI innovation and patent effort in the last few years.
- AI patent effort is increasing currently, but it did dip significantly 2014-2016.
- AI is currently key innovation and patent area for the company, and its investment in the technology is likely to continue.
- Google's AI innovation ecosystem is heavily concentrated in the Silicon Valley, but includes hubs also in the UK, Switzerland and China.
- Overseas AI hubs are of declining importance for its patent effort.
- Note about data, sources and graphs: All data from TEQMINE's AI Technology Scan (May 2018). Patent data from USPTO/EPO/PCT.

