

Amy Krause

- Research data engineer at EPCC, University of Edinburgh
- Working with industry and research in the area of distributed data integration and analysis
- Over 15 years of experience in software engineering, integration of distributed data, databases, real-time data analysis, large-scale data analytics frameworks, cloud (and what used to be called Grid services!)
- Recent projects:
 - DARE, VERCE, ADMIRE, OGSA-DAI: European Projects; support scientists with distributed data infrastructure and tools
 - REAR: Emergency aftershock response using mobile phone data
 - ThinkAnalytics: Query infrastructure to analyse statistics produced by a TV recommendation engine



Ideas

- I want to support data scientists and help them re-implement their research questions at scale ("big data")
- Be able to ask bigger questions and study larger datasets
- Pet projects:
 - I'm interested in using the data produced by mobile phones to improve road travel for cyclists and pedestrians
 - An open source framework to collect and analyse step data/movements from horses, to create tools for training, monitoring health (lameness)