

Software Engineering for Economists

Cloud Computing

Agenda

- ▶ Basics
- ▶ Tutorials
 - ▶ Virtual Machine
 - ▶ Storage Accounts

Basics

What is Cloud Computing?

On-demand services, delivered over the network.

Relevant Services:

- ▶ Infrastructure Services
 - ▶ Virtual Machines
- ▶ Data Services
 - ▶ Storage Accounts

Why in Economic Research?

- ▶ Big Compute

- ▶ Estimation

- ▶ Simulation

- ▶ Perturbation

- ▶ Big Data

- ▶ Storage

- ▶ Collection

- ▶ Collaboration

Providers

Google Compute Engine <https://cloud.google.com>

Amazon Web Services <https://aws.amazon.com>

Microsoft Azure <http://azure.microsoft.com>

Microsoft Azure

Resources

Microsoft Azure <http://azure.microsoft.com>

Python Development <http://azure.microsoft.com/python>

Microsoft Research <http://research.microsoft.com/azure>

▶ Training Events

▶ Webinars

▶ Online Tutorials

▶ Award Program

Tutorials

Virtual Machines

What to expect?

- ▶ Creating
 - ▶ Microsoft Azure Management Portal
- ▶ Accessing and Working
 - ▶ Basics of SSH

Storage Accounts

What to expect?

- ▶ Creating
 - ▶ Microsoft Azure Management Portal
- ▶ Managing
 - ▶ Microsoft Azure SDK for Python

Figure: Blob Service Concepts

