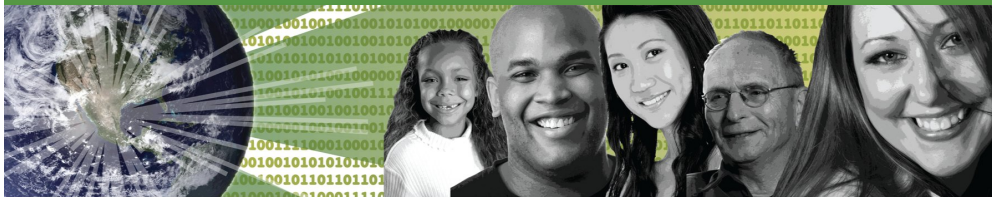# Broadening Your Impacts by Partnering with the CRA-W/CDC Alliance

Kathleen Fisher

AT&T Labs Research/ CRA-W
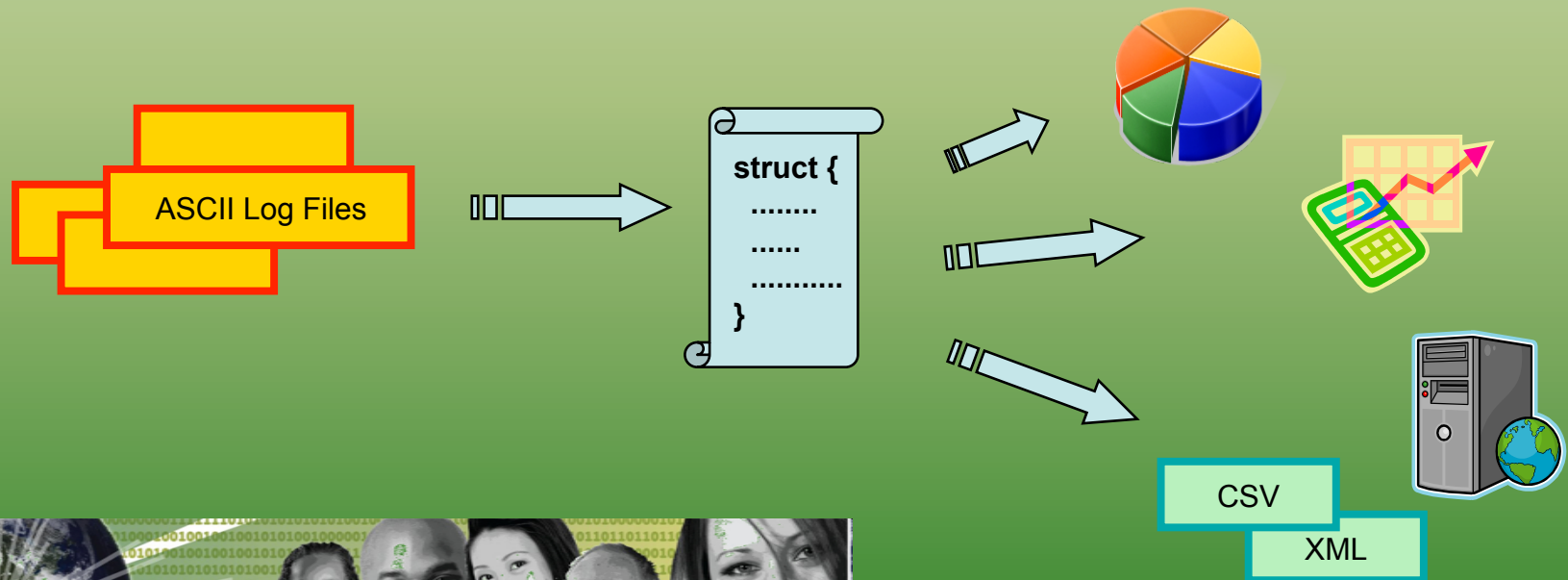
My Research

- ## Programming languages…
  - – Domain-specific programming languages….
    - • Language for programming with ad hoc data…

ASCII Log Files

struct {
....
......
....
}

CSV

XML

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Where are all the people?

- Some statistics:
  - Bureau of Labor Statistics estimates 24% grown in IT jobs (853,517) between 2006 and 2016.
  - CS Degrees awarded to US citizens dropped 27% between 2004 and 2007. [National Science Board].
  - In 2009, women received 10.8% and URMs 10.0% of bachelor's degrees. [Taulbee Survey]
  - In 2009, women received 20.2% and URMs 3.4% of Ph.D.s. [Taulbee Survey]

- BI Category 2: Broadening participation of underrepresented groups.

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CRA-W/CDC Alliance

- GOAL: Give women and URMs exposure to research, research careers, and mentors.

- Undergraduates:
  - Distributed REU (DREU) program (www.cra-w.org/dreu)
  - Collaborative REU (CREU) program (www.cra-w.org/creu)

- Graduates:
  - Discipline-specific mentoring workshops (www.cra-w.org/dsw)

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CRA-W/CDC Alliance

- Effectiveness of DREU (www.cra-w.org/dreu):
  - DREU students go to grad school (63%) more often than highest-achieving students (55%) [2005 follow-up].
  - DREU increases participants' intent to go to graduate school (1/3 before summer; 80.7% after summer). [2003-2007 exit surveys]
  - DREU participants report greatly increased knowledge of research careers, graduate student life, and application process. [Feb 2010 follow up study]

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Join Us!

- Undergraduates:
  - Host (& fund!) DREU students
  - Mentor (& fund!) CREU students

- Graduates:
  - Organize and help to fund a discipline-specific mentoring workshop in your area.

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My Advice

- Do work that you are passionate about.
- Take advantage of your connections/ network.

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Contact Us!

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  (www.cra-w.org)
- CDC
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