Data Management

Yi orphans are at-risk of negative development

- Extreme Poverty
  - 100 USD per year
  - 20% access poverty
- Parental Loss
  - 10% lose 1 parent; 4% lost both
  - Adopted or orphaned

Research

Longitudinal survey on Yi holistic development (2007 - 2014; 8 years)

- Involving over 1,700 students; 2 cohorts
- 9 data waves (attrition as high as 70%, mismatch)
- 3 MESSY data sets & over 500 items (Missingness as high as 50%)

How can we make use of the data to bring changes to Yi children?

A Philanthropic Organization

2006 - Present

1,300 Yi children

Breakthroughs
Yi orphans are at-risk of negative development

**Extreme Poverty**
- 100 USD per year
- 20% extreme poverty

**Parental Loss**
- 10% lost 1 parent; 43% lost both
- Adopted or stranded

(Jiao, 2007; Li et al., 1999; Yang et al., 2007)
A Philanthropic Organization
2006 - Present
1,300 Yi children
Research

Longitudinal survey on Yi holistic development (2007 - 2014; 8 years)

Involving over 1700 students; 2 cohorts

9 data waves (attrition as high as 70%, mismatch)

3 MESSY data sets & over 500 items (Missingness as high 50%)
While data management is not an easy task, the more difficult question is... 

How can we make use of the data to bring changes to Yi children? 

**Digital Scholarship Grant**

- Money
- Platform for transdisciplinary collaboration (History, Social Policy, Social Work, Data management, Information technology)
- Digital solution for displaying messy data
- Increase awareness via online dissemination

**The Collaboration Model**

Visualization for awareness, strategy for research advancement
Digital Scholarship Grant

Money

Platform for transdisciplinary collaboration (History, Social Policy, Social Work, Data management, information technology)

Digital solution for displaying messy data

Increase awareness via online dissemination
The Collaboration Model

Yinheriance

Visualisation for awareness
Sharing for research advancement
Data Management

Yi orphans are at-risk of negative development

Extreme Poverty
- 100 US$ per year
- 20% severe poverty
Parental Loss
- 10% lost 1 parent; 10% lost both
- Adopted or destitute

Research

Longitudinal survey on Yi holistic development (2007-2014; 8 years)
Involving over 1700 students; 2 cohorts
9 data waves (attrition as high as 70%, mismatch)
3 MESSY data sets & over 500 items (Missingness as high as 50%)

How can we make use of the data to bring changes to Yi children?
Data Visualisation

So What?....

Resilience

Yinherance: Making Meaning out of Numbers!

Future Directions
Six Dimensions
Resilience
Positive Development despite negative experiences

Physical
Psychosocial
Language (PTH)

Academic
Behavioural
Ethnic & cultural awareness
So What? ....

Theme: Yinhertance (Celebration of Culture and Ethnicity)
Phinney Ethnic Development Identity Theory
Yinheriance: Making Meaning out of Numbers!

- Telling a story
- Applying established theories
- Building a conceptual model for Rural China EM
Children are persons. Education should always be thought of as guidance, which influences the development of persons.

(Alphonse de Lamartine, 1905)
Data Sharing

Open Data + Open-access publishing

Awareness
Inspiration
Replication
Generalisation

Acknowledgments
Breakthroughs

📚 Single vs. Transdisciplinary Collaboration Model

🌐 Narrow dissemination, Peer-reviewed publication, academics only v.s. Wide distribution, Online publication, non-academic

🌐 Printed, B&W, One-way v.s. Online, colorful, Interactive

🔗 Piece-meal v.s. Aggregate whole
Future Directions

E-data collection platform

Value of digital scholarship to create impact
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Fu Hui Education Foundation - Canada

HKBU Library

Department of Social Work, HKBU

CSAR, HKBU

Department of Social Work and Social Administration, HKU

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