

The Challenges of Implementing the Chinese Family Panel Study (CFPS)

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Overview

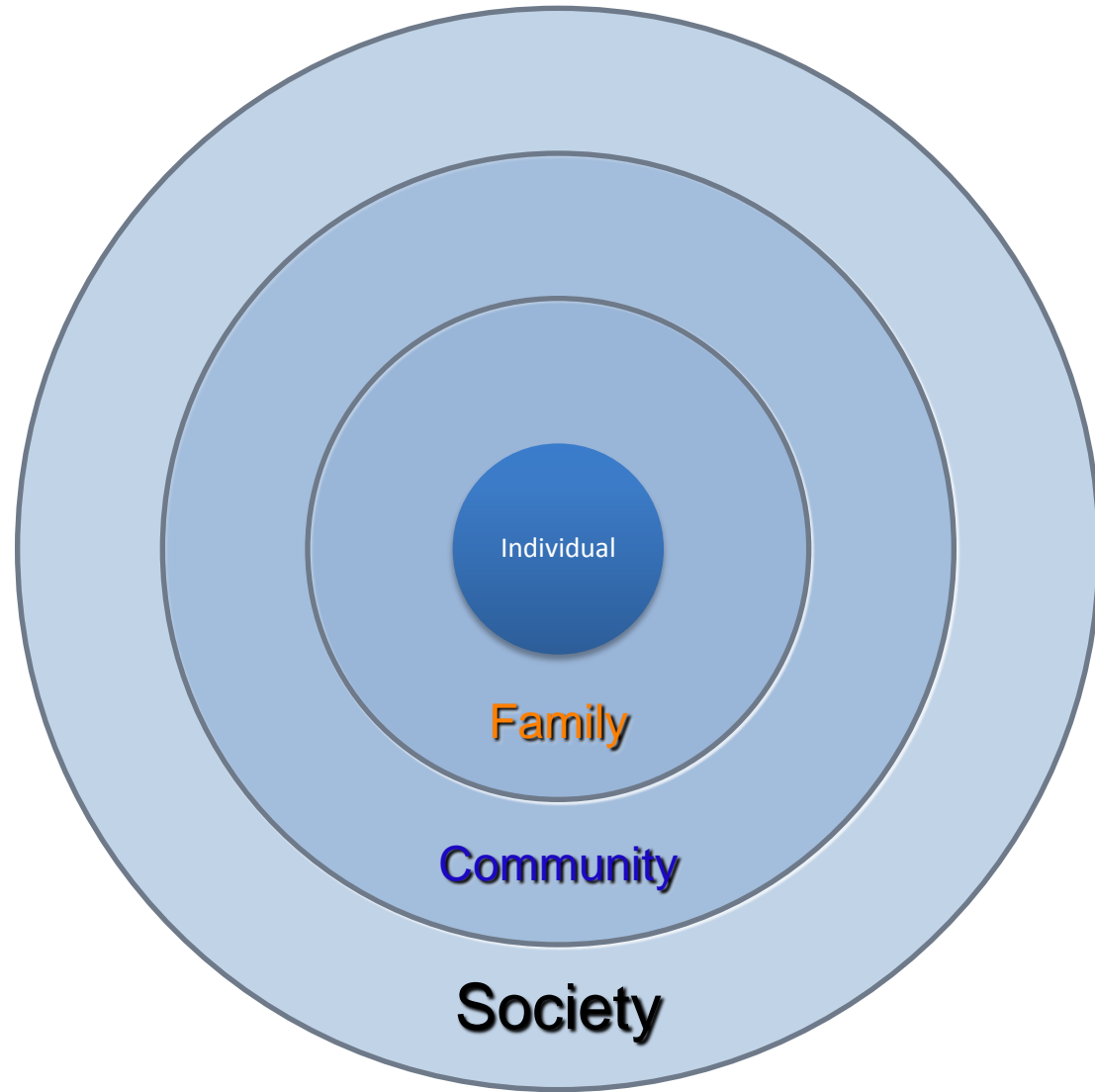
- Introduction
- Design
- Implementation processes
- Quality Control
- Challenges
- Outcomes

Induction

- CFPS is China's largest CAPI nation wide panel survey with comprehensive research design
- 2008 Summer paper questionnaire pilot
- 2009 Summer CAPI follow up pilot
- 2009 Winter Rehearsal
- 2010 Summer baseline data collection production

The Design of CFPS

- ☼ Linking individual and family life course with community and social environment changes



Note: This is a typical Chinese thinking about the relationship between individuals and society and the meaning of life.

Questionnaires Design

- Community Questions measure nature, social, economic, facility, and cultural environment for family and individuals
- Family Questions measure social, economic, living, and motional conditional for individuals
- Individual Questions social, economic, education, health, and life time changes with varied environment

2008 Planning

- 2008 paper questionnaire pilot:
 - 2375 households in 2 cities and 1 province in China: Beijing, Shanghai, and Guangdong
 - 2375 family Qs + about 8,000 around individual Qs who were from age 1 to 80 + 95 community Qs
 - “*Chinese Family Dynamics 2009*” has been published by using the pilot which has been submitted to the China State Council

2009 Planning

- 2009 Summer CAPI follow up pilot
 - Re-interview 2008 families and all the individuals, no communities
 - New move in and move out from the family, no re-interview conducted
 - First time using UM SRC Sample Management System -- SurveyTrak
 - First time to implement CFPS in Blaise...

2010 Baseline data collection

- Cover 25 provinces, 160 counties in rural and districts in urban, 640 villages in rural and neighborhood communities in cities
- The 25 Provinces cover 95% of the total population in mainland China
- The Qs will reach 16,000 households and 56,000 individuals from age 0 to 80 or above
- Production period April 2010 – September 2010

438 Interviewers

Total Interviewers = 438		Number of IWERs	%
Gender	Male	294	67.1
	Female	144	32.9
Married or not	No	266	60.7
	Yes	172	39.3
Age	18-19	10	2.3
	20-29	306	69.9
	30-39	101	23.1
	40 +	21	4.8
Education level	Master	11	2.5
	Bachelor	202	46.1
	College	157	35.8
	High School	68	15.5



Interviewer Hiring

Occupation	Number	Percent	Com.
Company	137	31.3	31.3
Student	109	24.9	56.2
Non-Profit	50	11.4	67.6
Freelance	44	10.00	77.6
Gov.	39	8.9	86.5
Teachers	29	6.8	93.4
Self-employ	30	6.6	100.00
Total	438	100.00	



Interviewer Training

- All travel to PKU from sample counties or districts
- Six full days, including general interview training, study lectures, group practice, field practice, final certification
- Totally, more than 14 training cohorts

CFPS CAPI Management System

- Used University of Michigan SurveyTrak system as base
- Translated all the interface screen from English to Chinese
- Added more functions which is needed to the data collection environment in China
- Created full training procedures for Chinese field interviewers

SurveyTrak in English

SurveyTrak Demo

SurveyTrak Edit Tools Help

Projects Transfer Case Notes View/Edit Call Wizard Planner Send/Rec Reports Find Lock Sort Interview Exit

Sample Address Transfer Lines Transfer History Finalized

RC Ind	Sample ID	RCLS Follow Up	Result Code	IW Status	Result Date	Tel Calls	FTF Calls	Last Call Mode	Wizard Actions	HU Obs Status	Cont Obs Sum Status	Iwe St
	1200-401	!	4001		07/14/2006	2	0	TEL	Incomplete			
	1200-403	!	0000		00/00/0000	0	0					
	1200-404		1001	Complete	07/27/2006	1	0	TEL	Incomplete			
	1200-405		4002		05/03/2006	0	1	FTF	Incomplete			
	1200-407		4002		05/03/2006	1	0	TEL	Incomplete			
	1200-408		4001		08/16/2006	4	0	TEL	Incomplete			
	1200-409		4001		08/16/2006	1	0	TEL	Incomplete			
	1200-411		4001		08/16/2006	2	1	TEL	Incomplete			

Name: Mr Thomas A Crown Sr Phone: () -

Address1: 1254 Parker Ave IW Taped: No

Address2: Tape Mailed:

City: Emerald City Letters:

State: MI Zip Code: 63106-

Case Notes:

SurveyTrak in Chinese

SurveyTrak

访问管理系统 编辑E 工具T 帮助H

项目 录音传输 样本调配 备注 查看/编辑 联系记录 计划 发送/接收 报告 查找 锁定 排序 访问 退出

中国家庭动态跟踪调查(测试)

家庭人口确认 家庭问卷 个人问卷

S 人口确认家户样本 A 人口确认家户样本地址 T 人口确认样本调配 H 人口确认样本调配记录 F 完成人口确认问卷

拒访标识	家户编号	家户序号	家庭联系人	样本类型	最近一次联系结果代码	最近一次联系日期	访问状态	行动标识	电访次数	面访次数	最近一次联系方式	6次联系失败
	1101-091710	0410	孟岩	追踪1	0000	0000/00/00						
	1101-091713	0413	尚士平	追踪1	0000	0000/00/00						

家庭联系人: 孟岩 村(社区): 月季园东里社区

居住地址: 北京门头沟月季园东里 邮编: 102300

单元门牌号: 12楼1-603 固定电话: 01069855112

邮寄地址: 手机: 13691183472

1/8/2013

UserID: ISSS05 Name: Gina Project: 中国家庭动态跟踪调查(测试) SID: 1101-091710 Build: 10.C.09 SendDate: 05/26/09 11:51

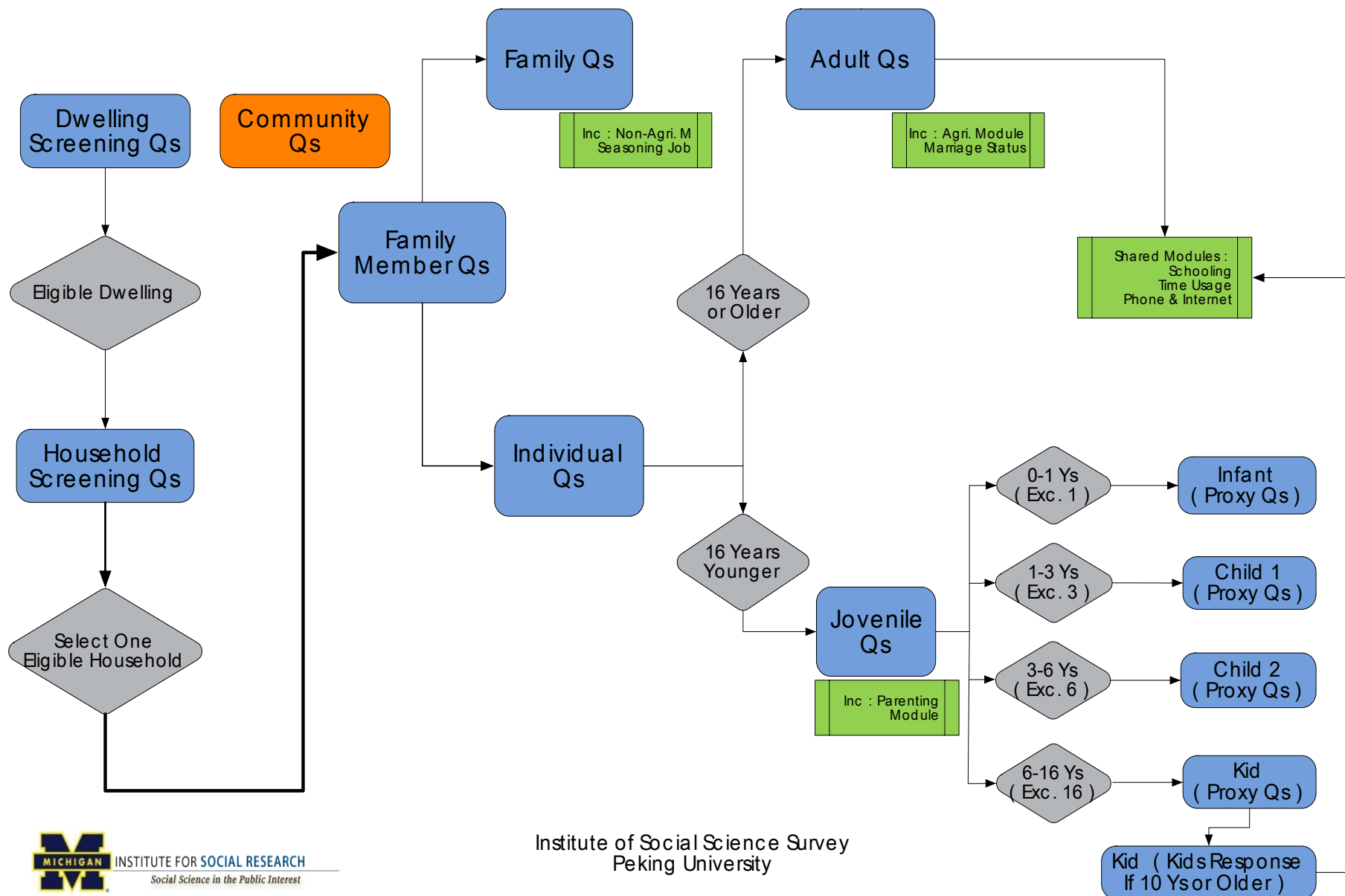
开始 SurveyTrak

0:01

CFPS Blaise Instruments

- 6 interview questionnaires:
 - Screening
 - Family Member Confirmation
 - Family
 - Community
 - Adult
 - Child
- 1 observation questionnaire

Qs Structure for CFPS 2010 Baseline Survey



Blaise in Chinese

- Set up the Blaise Chinese Environment so that Chinese can be displayed right
- Translation Blaise system text to Chinese
- Test, test, test... in Chinese

中国家庭动态调查家庭确定问卷

表格 回答 帮助

初期家庭成员核对:

孟岩 性别是?

加载性别: 女

- ☐ 1. 男
☐ 2. 女

Blaise 4.8 Data Entry: Gender



输入无效, 数值超过正常范围, 请确认

确定

	姓名	是否住在家	原因	注明	生日	年龄	性别	婚姻	学历	主要工作	主要职业	行业	死亡年	死亡
[1]	刘建新	1			1970-6-7	38	1	1	1	123	8.1.811	13		
[2]	孟岩	1			1970-12-1	38	4							
[3]	刘宇轩													
[4]														

1.5 1101091710 版本日: 2009-5-19 版本时间: 14:06

开始 SurveyTrak Microsoft PowerPoin... Blaise 4.8 Data Entry

0:05

初期家庭成员按图。

Hierarchical

刘建新的主要工作

请输入正

8 警察及军人

8.1 公安干警、交通干警

8.1.811 公安、交警机构局级及以上级别的干部

主要职业

1 国家机关、党群组织、企业、事业单位负责人

2 专业技术人员

3 办事人员和有关人员

4 商业工作人员

5 服务性工作人员

6 农、林、牧、渔、水利业生产人员

7 生产工人、运输工人和有关人员

8 警察及军人

8.1 公安干警、交通干警

8.1.811 公安、交警机构局级及以上级别的干部

8.1.812 公安、交警机构处级干部

8.1.813 公安、交警机构科级干部

8.1.814 公安、交警机构股级干部

8.1.815 普通公安人员（警察）、交通警察

8.2 武装警察（武警）

8.3 军人

Code: 8.1.811

Select Cancel

	姓名
[1]	刘建新
[2]	孟岩
[3]	刘宇轩
[4]	

死亡年	死亡

1.9

1101091710

版本日: 2009-5-19 版本时间: 14:06

开始 SurveyTrak

Microsoft PowerPoin...

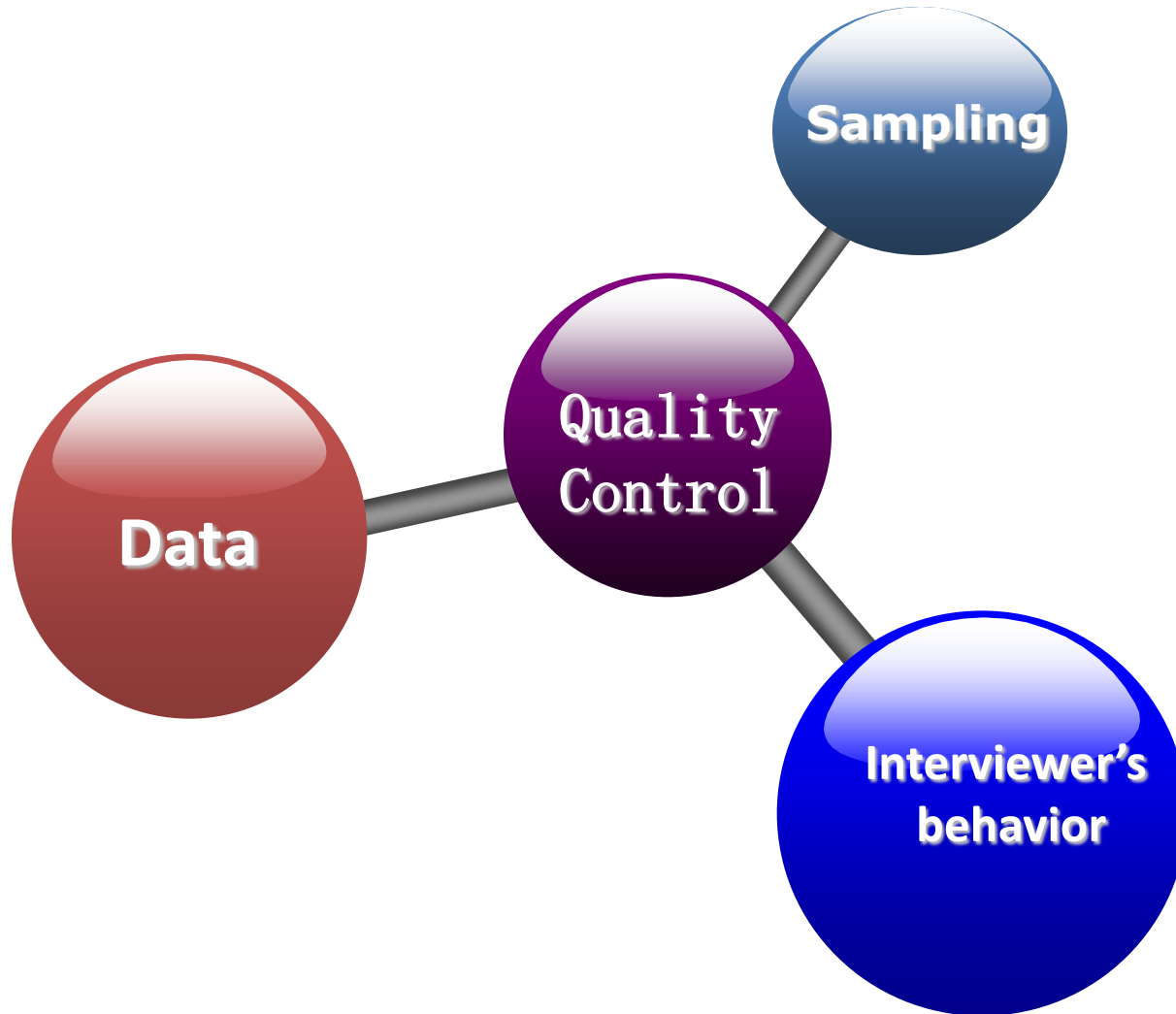
录音

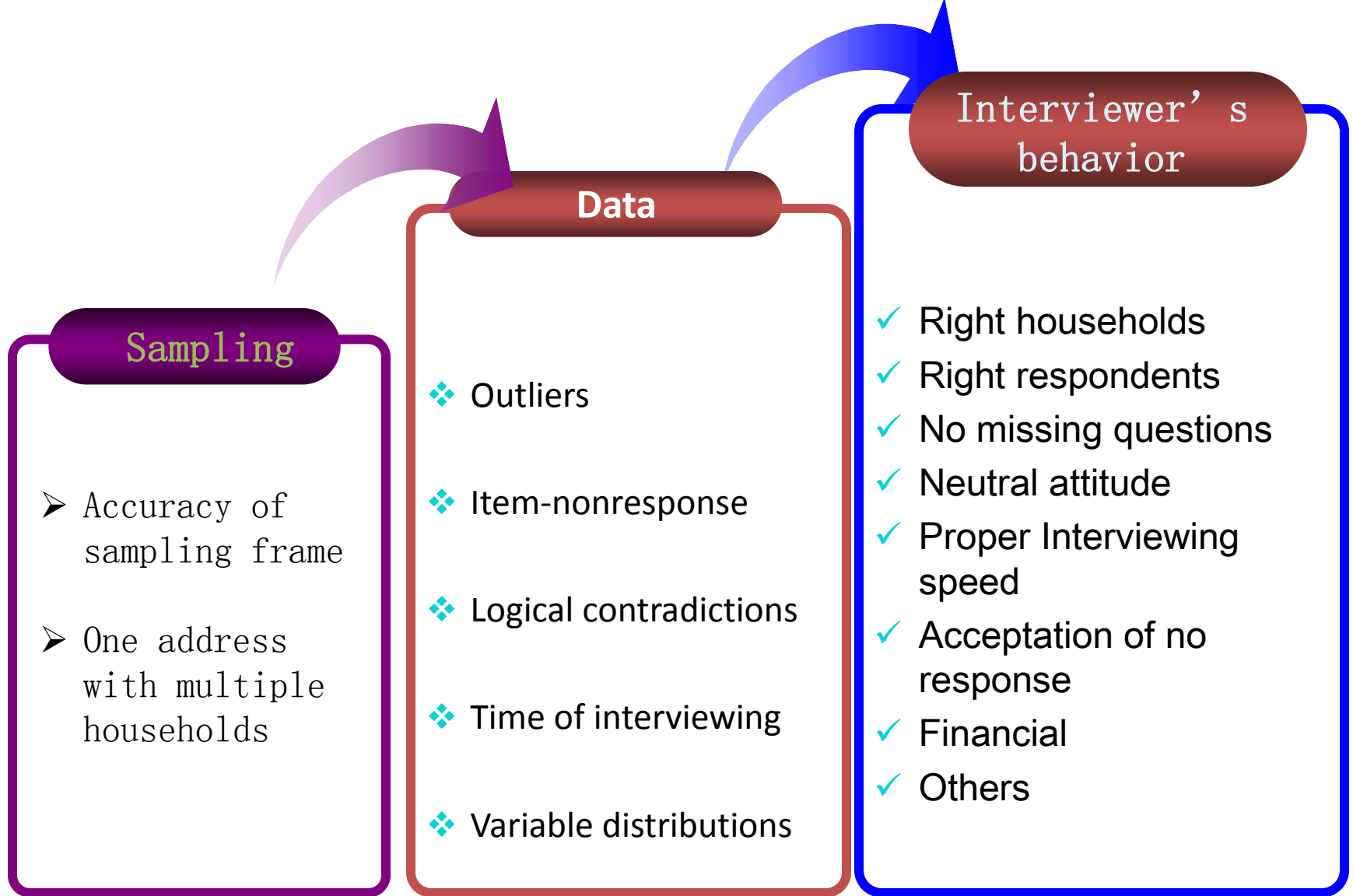
Blaise 4.8 Data Entry

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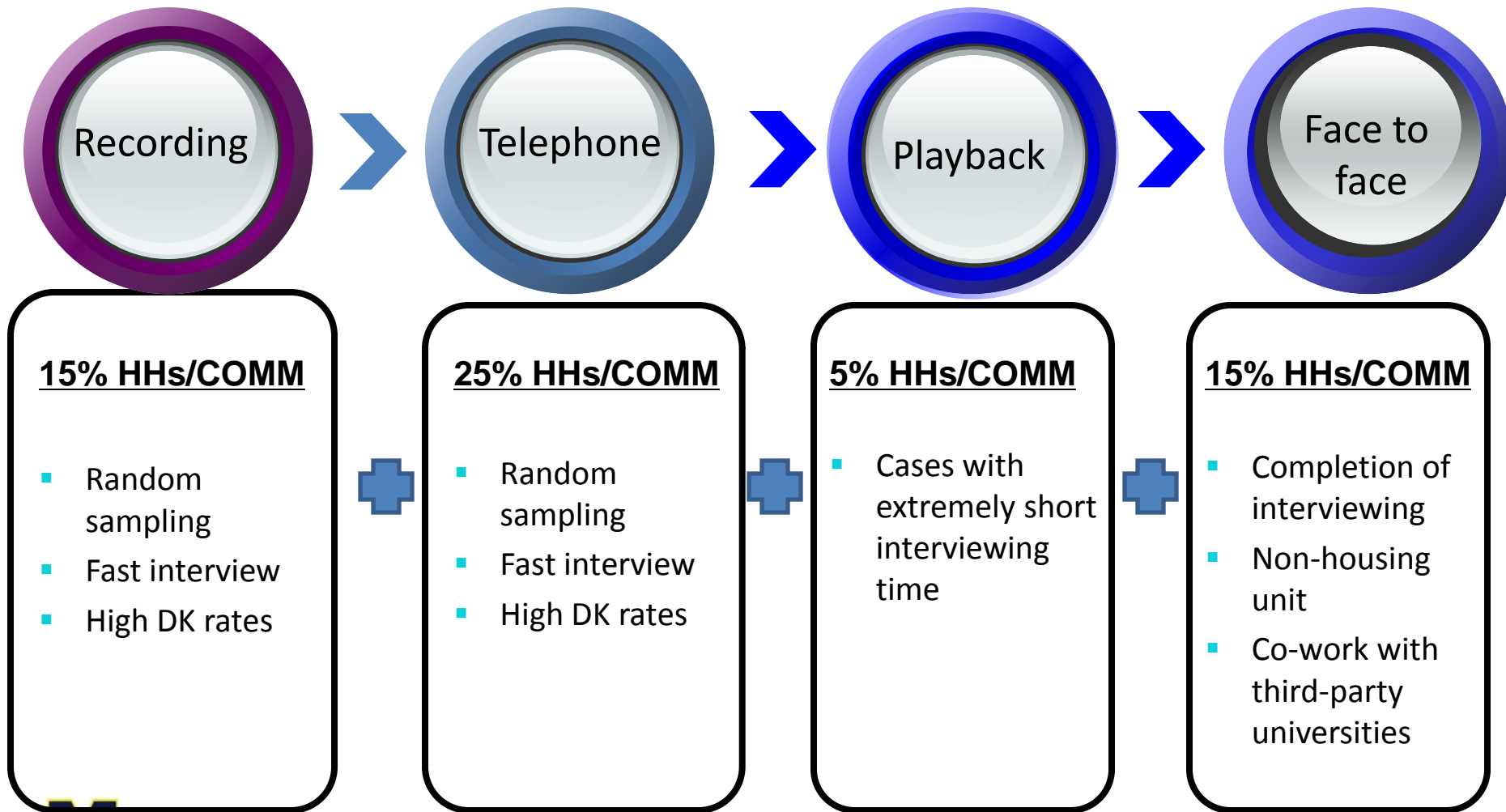


Quality Control





Quality Monitor Methods



Challenges

Interviewing
related

Accessibility: geographic, refusal,
blocking

Complexity: address, dwelling, house
unit, household

Mobility: community, family, individual

Fast change: rural and urban features,
.....



Challenges

Tracking related

Harder to track accessible address for frequent migrants or seasonal workers

Harder to update phone number for students, seasonal workers,

Interviewer related

Harder to have interviewers working longer

Still harder to discovering sort of cheating

Outcome for 2010 CFPS baseline

- 2010 Production started on April 3rd, 2010
- 2010 Production ended on September 25, 2010 (with some area needed to go back in late fall or early months of 2011.)

The Numbers are Impressive!

Completed Questionnaires	Case
Household Screening Survey	15,593
Family Member Conf. Survey	14,865
Family Survey	14,698
Child Survey	9,001
Adult Survey	33,598
Community Survey	628
Total Case Completed	88,374

Rates

Response Rate $RR3 = I / (I + R + NC + O + EUH)$	78.91%
Refusal Rate $REF2 = R / (I + R + NC + O + EUH)$	0.90%
Contact Rate $CON2 = (I + R + O) / (I + R + NC + O + EUH)$	80.02%
Cooperation Rate $COOP2 = I / (I + R + O)$	98.61%

Address Screening

Result Codes	Freq.	Percent	Cum.
Don't know dwelling or not	1,217	6.09	6.09
Wrong address	33	0.17	6.25
Area can't access	21	0.11	6.36
Dwelling	18,059	90.36	96.72
Non dwelling	86	0.43	97.15
Empty dwelling or non	570	2.85	100.00
Total	19,986	100	



Non-Response to Harder Qs

Qs	Monitoring Qs	Variables	Non-Resp. Rate
Community Qs	24	Beef extreme price last year	30.00
		Amount of residents in age 0-15	17.81
		Highest price of house	13.30
Family Conformation Qs	15	Birthday of FM No. 5	8.18
		Birthday of FM No. 4	7.67
		Birthday of FM No. 2	6.74
		Birthday of FM No. 3	6.56
Family Qs	18	Bus schedules	13.97
		When moved in current house	5.15
		Construction area of the house	4.69
Adult Qs	16	Birth weight	72.87
		Primary school graduate year	17.31
		Length when 3 years not with father	4.21
Child Qs	6	Math score ranking in class	51.25
		Chinese score ranking in class	48.81
		Birthday of friend 2	38.25
		Birthday of friend 1	31.01

Time Consumption (nit: Minutes)

Qs	Mean	SD	Min	Median	Max
Cumm. Qs	55.96	164.76	8.45	44.39	3928.78
Household Scr.	2.76	3.4	0.17	1.95	188.95
Family Conf.	18.37	23.89	0.93	15.22	2219.00
Family Qs	28.65	16.16	3.68	25.7	775.43
Adult Qs	46.29	34.37	5.13	42.63	3312.1
Child Qs	28.19	25.15	1.68	17.55	607.55
0-1 Ys.	5.09	2.5	1.68	4.42	18.87
1-2 Ys.	9.91	4.39	2.12	9.1	42.52
3-5 Ys.	13.95	8.55	2.47	12.74	252.27
6-9 Ys.	16.03	19.33	2.68	13.97	607.55
10-15 Ys.	51.53	21.1	7.25	49.37	352.70

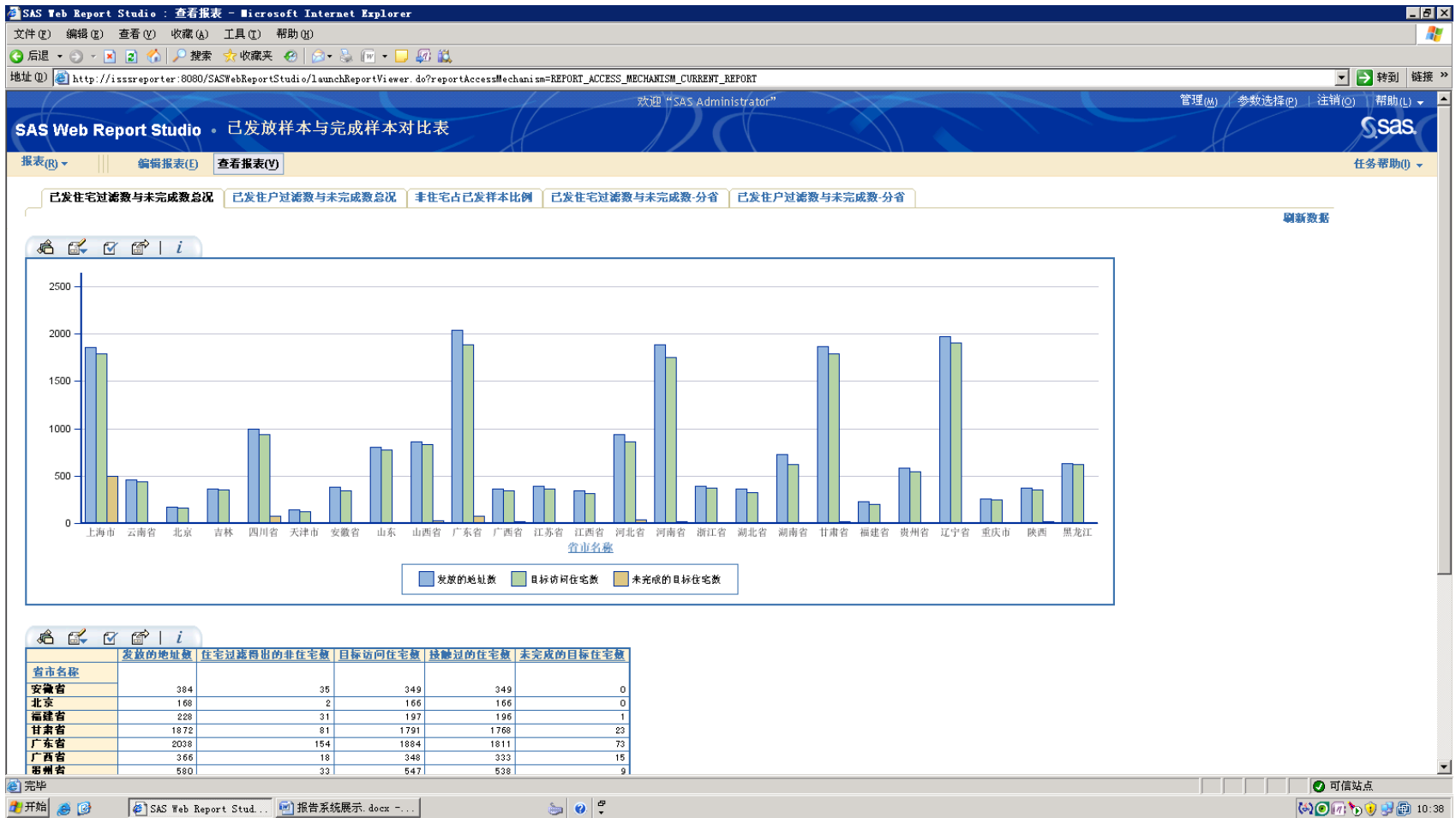
Monitoring Outcomes

- Adult Qs answered by others: 81
- Child Qs answered by others: 22
- Time use too short: 1864
- Not following interview guidance: 899

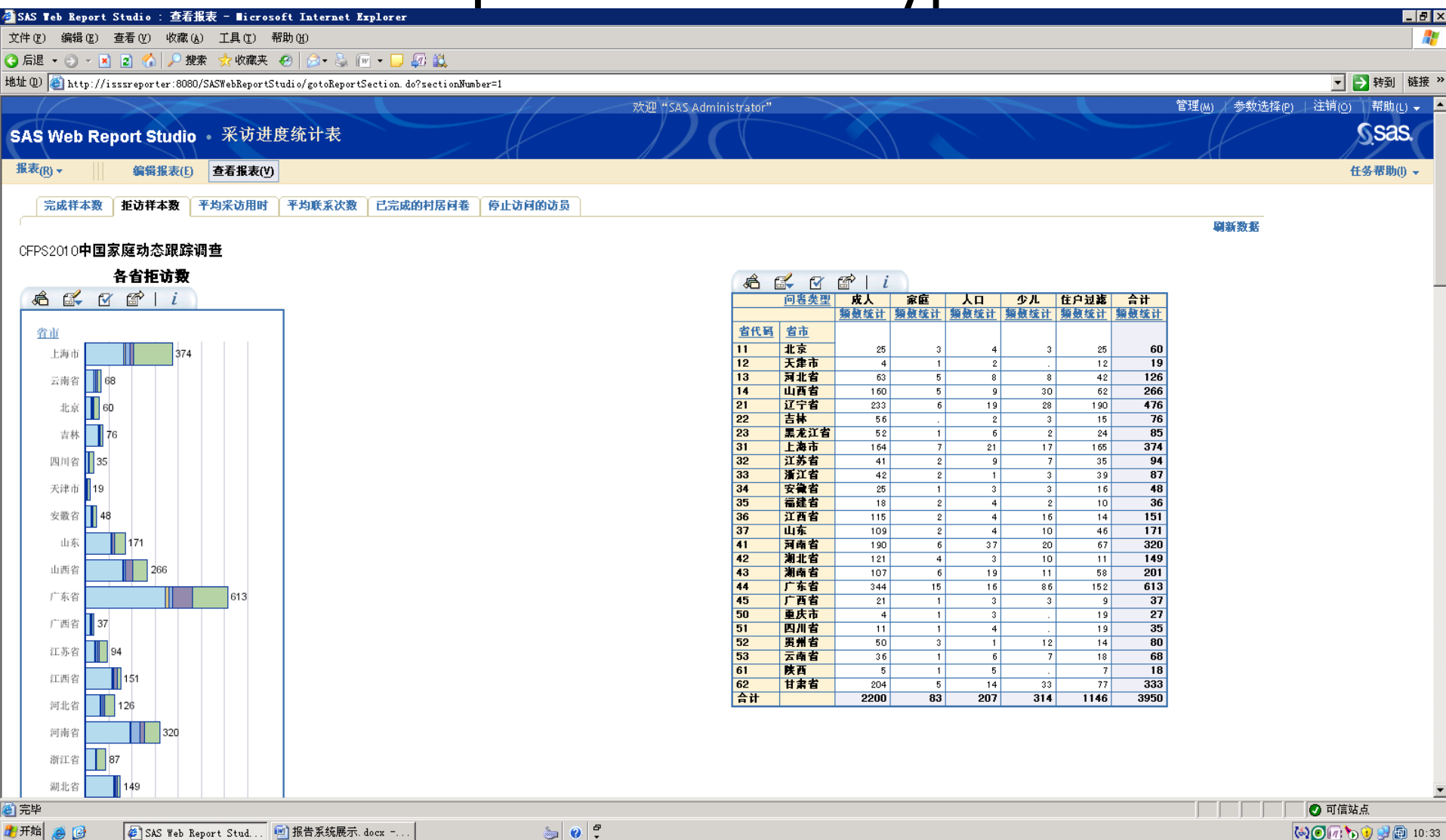
Dashboard for Production

- Using SAS Business Intelligent software
- Web Based
- Many level draw down
 - By State (25 of them)
 - By questionnaire type (6 of them)
 - By interviewer (438 of them)

Release Sample vs. Completed Sample



Refusal cases by each state and questionnaire type



2011 Production starts soon

- Training starts in April
- Tracking will be new challenge this year!



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