



An Improvement of the Application of Blaise CAWI in Verifying Systems

Yu Shuang, *Peking University*

2015-04-13



Outline

- Background
 - Traditional Verification System
 - Current Verification System
 - Summary
- 



Background

- Use Blaise CAWI model in verification system at 2010.1
- Integrate recording audio in verification questionnaire
 - The main contents of the inspection : alternative answers, subjective answers, jumping with shortcut, questioning incomplete, etc.
- Check the sample , more than 65,000 times

- 核查绩效
- 信息导入
- 样本核查
- 核查审核
- 筛选样本
- 分配样本
- 审核样本
- 核查反馈
- 督导反馈

电话筛选样本

按电话筛选 按录音筛选

调查项目: CFPS2014调查

家户序号:

核查员姓名:

查询

选取样本 移除选取样本 导出

家户序号	样本编号	核查员编号	核查员姓名	受访者姓名	样本状态	审核分配时间	问卷类型
110072	110072	120112	胡广达	马英杰	审核完成	2014-08-01 08:25:00	家庭成员问卷
110073	110073	130144	孙智敏	种文宽	审核完成	2014-08-06 16:30:49	家庭成员问卷
110082	110082	110134	陈学文	陈湖英	审核完成	2014-08-20 08:32:02	家庭成员问卷
110083	110083	410161	周松云	彭宾	审核完成	2014-09-10 14:27:36	家庭成员问卷
110118	110118	120112	胡广达	闫文祥	审核完成	2014-07-25 12:59:05	家庭成员问卷
110125	110125	120112	胡广达	刘秀华	审核完成	2014-07-24 08:15:31	家庭成员问卷
110132	110132	120112	胡广达	杨萍	审核完成	2014-08-04 09:38:29	家庭成员问卷
110142	110142	liuy	刘月	井玉梅	审核完成	2014-07-21 16:59:32	家庭成员问卷
110434	110434	120112	胡广达	吕观如	审核完成	2014-07-21 13:23:08	家庭成员问卷
112526	112526	220112	慈静舒	庄健祺	审核完成	2014-08-11 16:04:44	家庭成员问卷

条目总数: 980

选中条目: 0

每页显示数: 20

1 / 49

Traditional Verification System

- Traditional recording verification need to manually search the recording file
- Open the verification questionnaire ,meanwhile open the recording program
- New version Verification achieve listen automation





Current Verification System

- Integrate the recording function of desktop program into the CAWI verification questionnaire
 - Embed the recording audio file in every verification question
 - Apply the new HTML5 element on the page, the system automatically plays
- 

F:\recordfile\WAVFiles\141125015\140318\140318

文件(F) 编辑(E) 查看(V) 收藏(A) 工具(T) 帮助(H)

后退 搜索 文件夹

地址(Q) F:\recordfile\WAVFiles\141125015\140318\140318

名称	大小	类型	艺术家	唱片标题	发行年	曲	持续时间
140318Tape.Tape (01).wma	9 KB	Windows Media ...					0:00:04
140318SecZ.KZ212 (01).wma	11 KB	Windows Media ...					0:00:08
140318SecZ.KZ211 (01).wma	6 KB	Windows Media ...					0:00:01
140318SecZ.KZ210 (01).wma	7 KB	Windows Media ...					0:00:01
140318SecZ.KZ209 (01).wma	6 KB	Windows Media ...					0:00:00
140318SecZ.KZ208 (01).wma	6 KB	Windows Media ...					0:00:00
140318SecZ.KZ207 (01).wma	7 KB	Windows Media ...					0:00:01
140318SecZ.KZ206 (01).wma	8 KB	Windows Media ...					0:00:02
140318SecZ.KZ205 (01).wma	24 KB	Windows Media ...					0:00:31
140318SecZ.KZ204 (01).wma	7 KB	Windows Media ...					0:00:01
140318SecZ.KZ203 (01).wma	34 KB	Windows Media ...					0:00:48
140318SecZ.KZ202 (01).wma	6 KB	Windows Media ...					0:00:00
140318SecZ.KZ201 (01).wma	7 KB	Windows Media ...					0:00:01
140318SecZ.KZ103 (01).wma	7 KB	Windows Media ...					0:00:01
140318SecZ.KZ102 (01).wma	7 KB	Windows Media ...					0:00:02
140318SecZ.KZ101 (01).wma	7 KB	Windows Media ...					0:00:02
140318SecZ.KZ5 (01).wma	6 KB	Windows Media ...					0:00:00
140318SecZ.KZ1 (01).wma	8 KB	Windows Media ...					0:00:02
140318SecZ.IWEND (01).wma	6 KB	Windows Media ...					0:00:00
140318SecZ.FYZY (01).wma	7 KB	Windows Media ...					0:00:01
140318SecSCR.SCR1 (01).wma	11 KB	Windows Media ...					0:00:08
140318SecF.TF205 (01).wma	10 KB	Windows Media ...					0:00:07
140318SecF.TF204 (01).wma	11 KB	Windows Media ...					0:00:07
140318SecF.TF203 (01).wma	16 KB	Windows Media ...					0:00:17
140318SecF.TF202 (01).wma	10 KB	Windows Media ...					0:00:06
140318SecF.TF201 (01).wma	13 KB	Windows Media ...					0:00:10
140318SecF.F2 (01).wma	9 KB	Windows Media ...					0:00:04
140318SecD.TD1 (01).wma	13 KB	Windows Media ...					0:00:11
140318SecC.TC1 (01).wma	15 KB	Windows Media ...					0:00:14
140318Sec...	10 KB	Windows Media ...					0:00:02

Auto stop

D:\项目\CFPS2014\dev\CFPS2014Individual\CFPS2014Individual.bci



The specific implementation steps of the solution are as follows

- Step 1 : Define a variable to store the path of the recording audio file

```
FamilyLY:='HTTP://10.8.8.73/WAVFiles/'+interviewerid+'/' +countryid + '/' +  
SampleID
```

- Step 2 : Define a variable to store the name of the recording audio file

```
XA101a:= SampleID+'SECA.TA1'
```



Step 3 : Embed the recording audio file path and name in the verification questions

A101a(A101a)“访员是否提问了请您确认调查时您家是否有以下人员？ ...一题相关内容？ @/(题号：TA1 录音名：SECA.TA1)

```
@/@/@#<audio controls autoplay>  
<source src=""^FamilyLY/^XA101a.wma"" type=""audio/mpeg"">  
<embed height=""50"" width=""100"" autoplay=""false"" autostart=""false""  
  src=""^FamilyLY/^XA101a.wma"">  
</audio>@# ":TContinue
```

Properties of element audio

Property	Value	Description
autoplay	autoplay	Audio plays automatically.
controls	controls	Display the playing controls.
loop	loop	Audio plays in loop.
muted	muted	Audio will be muted.
preload	preload	Audio will be preloaded when the page is loaded. And it will be ignored when autoplay property is set to autoplay.
src	url	Audio URL path.

Exhibition

- After recording verification questionnaire released the inspectors will see :

D107a 访员是否问过“包括和家人外出吃饭，一般情况下，您每周有几个晚上会和家人一起吃饭？”一题相关内容？
(题号：Q1002录音名：SECQ.QQ1002)



1. 是

5. 否

9. 无法判断

Don't know

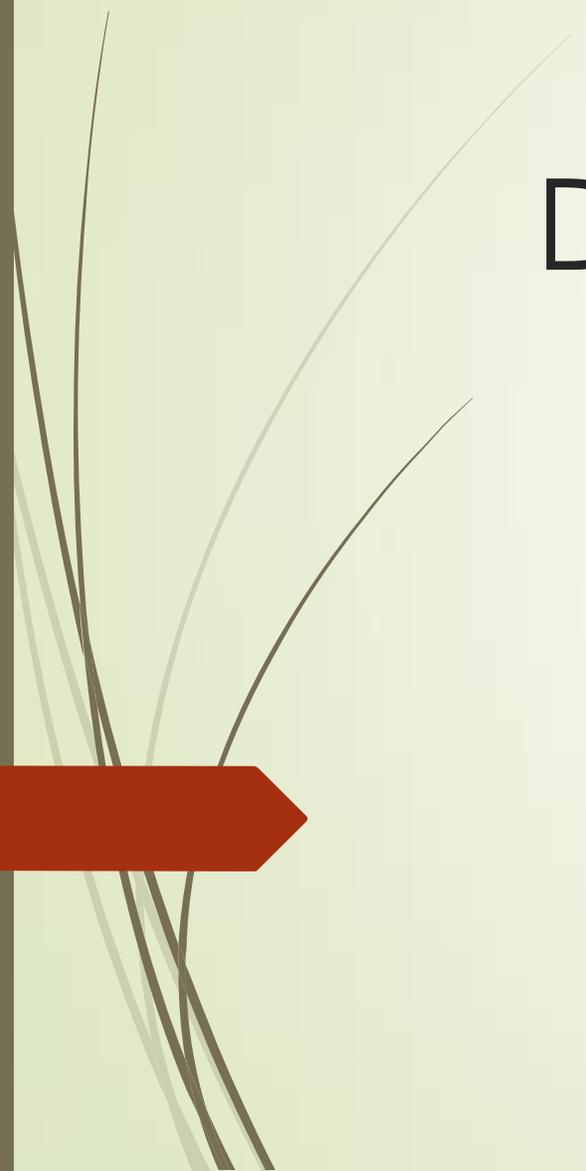
Rather not answer



Advantage

- It saves time, Increases efficiency
 - Saves the inspector's time to find the exact audio file, and saves the cost of verification
 - It improves accuracy, solves the not-match problem.
- 

Demo



C106a 访员是否问过“包括提前退休与内退，您是“否”办理了从机关、事业单位、企业的退休、退职手续，或者达到了法定领取养老金的年龄并办理了相关手续？”一题相关内容？（题号：I101 录音名：SECI.QI101）



1. 是
5. 否
9. 无法判断
- Don't know
- Rather not answer

C106b 受访者是否回答了“包括提前退休与内退，您是“否”办理了从机关、事业单位、企业的退休、退职手续，或者达到了法定领取养老金的年龄并办理了相关手续？”一题相关内容？

1. 是
5. 否
9. 无法判断
- Don't know
- Rather not answer

C106c “包括提前退休与内退，您是否办理了从机关、事业单位、企业的退休、退职手续，或者达到了法定领取养老金的年龄并办理了相关手续？”一题，访员是否完整读出题干？

1. 是
5. 否
- Don't know
- Rather not answer

C106h “包括提前退休与内退，您是“否”办理了从机关、事业单位、企业的退休、退职手续，或者达到了法定领取养老金的年龄并办理了相关手续？”一题，受访者给出的答案是？

1. 是
5. 否
- Don't know
- Rather not answer

C107a 访员是否问过“您是否上网？”一题相关内容？（题号：1U2 录音名：SECU.KU2）



1. 是
5. 否
9. 无法判断
- Don't know
- Rather not answer

Thanks

