هيئه الامم المتحده اللجنه الاقتصاديه لغربي آسيا بغيداد ـ العبيران

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تقرير عن الزياره الى ادارة الاحصاء المنامه ـ البحرين

خلال الفتره ۲۵ ابریل ـ ۱۵ مایو ۱۹۸۳

اعداد دكتور/ عبدالله السعيد طلبه النجار المستشار الاقليمي لمعالجة البيانات مشروع مسوع الاستر

ان الاراء الوارده في هذا التقرير انما تعبر عن الرأى الشخصصي للمستشحار الاقليمي ولاتلزم بالضروره اللجنة الاقتصاديه لغربي آسيا٠

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۱۰ تقدیم:

هذه هى الزياره الثانية التي يقوم بها المستشار لادارة الاحصاء بدولة البحرين لتقديم المعونة الفنية اللازمة لتنفيذ " بحث نفقات ودخل الاســرة " التي تقوم به داغرة الاحصاء وذلك بناء على طلب حكومسة البحسريين واتفسال التعاون مم اللجنه الاقتصاديه لغربي آسياه

ان هذا التقرير هو الثاني المقدم من المستشحار عصبن هصدا البحصت • والتقرير الاول قدم عن الزيارة الأولى التي تمت خلال الفحترة ٢٠ فحصراير- ٢ مارس ۱۹۸۳ ۰

ولمتابعة عذا البحث وتفهمه بدرجة وافيه فانه يفضل قبراءة التقبسرير الاول مع هذا التقرير•

١٠ الموضوعات التي شملتها الزياره:

تضمن برنامج الزياره العناص الاساسيه التاليه:

أه مراجعة وتقييم ما تم بالبحث •

به الصياغه الجديدة للجداول الاحصائية المراد استخراجهاه

ج• مراجعة وتقييم ما تم تنفيذه بالحاسب الألي •
 د• استكمال مناقشه النظام التحليلي وتصميمه •

٣٠ مراجعة وتقييم ماتم بالبحث :

تمت عدة اجتماعات مع المشارلين بالبحث بكل من دائرة الاحصلاء ودائرة الحاسب الالكتروني ، كما تمت زيارة الحاسب وقسم ادخال البيانات ، واتضح التالى:

أه أن العمل بالمشروع سواء المصيداني أو المكصتبي أو الاحصصائي أو الحاسب الالكتروني يسير بشكّل منتظم وجيد ٠

به أنه تم الاخذ بالتوصيات والاقتراجات الوارده بالتقرير الاول ومنها:

ـ ادخال حقول كنترول على الاستمارات الخاصه بالبحث •

ـ اسلوب ادخال البيانات ٠ - المفاهيم الخاصه بتحليل النشام وتصميمه ٠

ـ الاراء الخاصه باعاده صياغه الجنداول الاحصنائية وببعنض المتغييرات مشل حسباب تباريسي المستيلاد ، عسدد أفسراد الاسمره ، وعدد الاسر ٥٠٠ المحه

جه ادخال البيانات يتم حرسب التصميم المذكور بالتقسرير الاول حدون صوبات وبمعدل جيد وأن برامج اختبارات التحقق والتناسس التي اجريت عملي المجموعات الاولى من البيانات المسجلة أظهرت نسبة أخطاء تتمسراوج بيمسن ه مد ٨ ٪ . من البيانات يساهم قسم ادخال البيانات فيها بنسبة أقصل مسن النصف بينما ترجع أسباب النصف الثاني من الأخطاء الى مصادر أخسرى مصثل العمل الميداني والعمل المكتبي •

وجدير بالاشاره أن هذه النسبه من الاخطاء تعتبر أقل مما كنان متوقعنا وخاصه في الفترات الاولى من البحث وهذا يعود الى الجهود الجيده المسبدوله من كل المشاركين بالبحث • ده التعديلات المدخله على الاستمارات سوا عبالفسا عسس البيانات أو أضافة بعض الحقول تتم بدقة عاليه وسهوله ولم تؤثسر على ادا العمسل المكتبي أو تسجيل البيانات بالحاسب ه

٤- الجداول الاحسائية:

مما لاشك فيه أن تصميم الجداول الاحصائيه التي يلزم اصدارهـا عـن أي دراسه احصائيه كبيره تستغرق وقتا وجهدا كبيرين ، كما تحستاج الى خسبره عمليه ودرايه بنوعيه البحث محل الدراسه ٠

ومن أجل متابعة عمليه تصميم الجداول الاحصائيه لدراسة بحسث نفقسات ودخل الاسره فقد يكون مفيدا أن نذكر ان الصياغه الاولى للجداول بلغت حوالى ٧٠ جدولا مقسمه الى أربعه مجموعات ، سبق عرضها بالتقرير الاول وابداء بعسض الملاحظات عليها مع توميه باعادة النثر فيها ٠

والصياغه الشانيه للجداول (انقر مرفسس ۱) التي قدمست للمناقشسه أثناء هذه الزياره يمكن توصيفها على النحو التالي :

أه قسمت الجداول الى (١٢) مجموعه يصل مجموعها الاساسي الى (١٢٩) جدولا , تفاصيلها كما يلي :

على أن يصدر كل منها بالنسبه للسكان :

- البحرانيون - غير البحرانيين
- حير البدرانيين - جميدم السكان
- ب، اعتبرت هذه الجداول ذات أنضليه أولى في الاستخراج ،
- جه توجد أفضليه ثانيه في استغراج العديد مسن الجسد اول للاستخدام المكتبي بدائرة الاحصاء وليس للنشر ه وهذه الجسد اول هسى بعسض الجسداول المذكوره تحت (أ) ولكن بدرجه أكثر تفصيلا مثل :
- جدول (۱) سالمجموعه الأولى يصدر بالنسبه لغير البحسرينين تفصيليا بالنسبه لكل جنسيه (بند الجنسيه يصل الى اكثر من ١٠٠ جنسيه) ٠
 - نفس الجدول السابق يصدر ايضا بالتفصيل الجغرافي لكل منطقه
 - الجداول التي تتضمن المهنه تصدر على مستوى رقمين للمهنه •
- اصدار الجداول الخاصة بعمر السكان مع تفصيل هذا العمر لعدد كسبير من مجموعات السن •
 - اصدار بعض الجداول على مستوى بيانات كل دوره بيانات
 - حاد ٥٠٠٠٠٠ -

استفرقت دراسه ومناقشه هذه الجصداول معظلم رقصت الزياره وتضمصنت الدراسه البنود التاليه :

- _ التركيب الاحصائي للجداول •
- علاقة الجداول الاحداثية بحقول البيانات ٠
- ـ أمكانيه استخراج الجداول بالحاسب الالكتروني •
- تأثير الافقليات (١ ، ٢) المعطاه للجداول على الجهد المبذول فــي النظام واستخراج الجداول
 - ح حجم كل جدول وعلقه ذلك باصداره ومناسبه ذلك عند النشر
- أسمية بيانات كل دوره (أربعه دورات بالدراسية) والجيداول التي تصدر عن كل منها سواء للنشر الخارجي أو العمل بها داخيليا بدائرة الاحصاء
- غياب بيانات بعض الاسر المختاره بالعينه خلال بعض الدورات واخستلاف عدد الاسر بكل دوره وأثر ذلك في استخراج الجداول عصلى المسلستوى السحسنوى وطرق المساب التى يلزم اتباعها لمتالجة هذا الموقف •
- كيفيه قياس وحساب بعض المتغيرات مثل عمر الفسرد ، وعسدد أفسراد الاسره ، ••• النع •
 - ـ العناوين العربيه والانجليزيه لكل جدول احصائي
 - ـ بعض البيانات بالدراسه لم تشملها الجداول الاحصائيه المطلوبه
 - _ ٥٠٠ النع ٥

ونتيجه لهذه الدراسه والمناقشه فقد تم الوصول الى مايلي :

أ• يحسب العمر على اساس أن المرجح مو ابريل ١٩٨٢

به بيان عدد الاسر متفير مع كل دوره واتفن عبند اصحدار الجبداول أن يراخذ على النحو التالي :

الدوره الاولى : عدد الانراد يو خصد مصن الاستمصارات الديموغرافيه

الدوره الشانية: عدد الافراد يؤخصد مصن الاستمصارة الاسبوعية

الدوره الشالشه: عدد الافراد يؤخصن مصن الاستمصاره الاسبوعية

الدوره الرابعة: عدد الافراد يو خصد مصن الاستمصارة الديموغرافية المعدلة

جه بيان الجنسية روًى تقسيمة الى شمان مجموعات بديلا عــن التفصــيل بذكر كل جنسية • د البحد اول ذات الاولويه الشانيه هي البحد اول التفصيليه والتي تعستبر مرحلة تلخيصيه للبيانات قبل صدور الجد اول الاجمساليه والتي لهسا الاولويه الاولى ، وهذا يبين أن جد اول الافضليه الشانيه يمكن اصد ارها كنتائج مرحليه قبل اصد ار البحد اول ذات الافضليه الاولى ومن ثم فان التمسك بالاولويات في هذه الحاله مد له تأثير مضاعف على الجهد المسنول بالحاسب و ولذلك فقد روى عدم الاخذ بالاولويات واعد اد نشام شامل يغطبي الاحسائيات المطلوب

همه نشرا لاختلاف عدد الاسر وعدد الافراد بكل اسره خللك كله دوره بيانيه من دورات البحث الاربعه فقد روعى ادخال بعض التعديلات على الجداول لتتضمين بيان عن عدد الاسر رعدد الافراد التى صدر عنها هذا الجدول كميا تم الغياء بعض المتغيرات بالجداول ه

و• نظرا للتعديلات المدخله على الجداول وعصدم الاستفصاده مصن بعصف المعلومات الوارده بالدراسه ، فقد روئ اعادة صياغه الجصداول الاحصائية وثم صدورها للمرة الشالتة (انظر مرفق ٢) ويمكن توصيفها عصلى النحصو التاليد ،

- قسمت الجداول الى (١٦) مجموعه يصل مجموعها الاساسي الى (١٦١) جدولا، تفاصيلها كما يلى :

عدد الجداول	رقم المجموعييه	
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1	171	

- تصدر هذه الجداول بالنسبه للسكان :
 - السحرانين ،
 - غير البحرانين٠
 - جميع السكّان،
- تصدر جداول تفصليه عن هنده الجسنداول للاستخسندام الداخسلي بدائرة الاحصاء حسب وجود :
 - متغير المهنه يصدر تفصيليا على مستوى رقمين •
 - متغير العمر يصدر لعدد اكبر من المجموعات العمريه.
 - متغير المنطقه يصدر لتفصيل جغرافي أوسع
 - متغير الجنسية حسب مجموعات ثمانية •

- ـ تصدر الجداول على مستوى كل دوره ويحتفظ بها بالحاسب دون طباعـه الا بأمر كتابي ، كما تصدر الجداول على المستوى السنوى مــع الاحتفــاظ بها بالحاسب والباعتها للنشر •
- تم مناقشه ووضع الاسلوب الحسابى لمعالجه أثر التغير في عدد الاسـر وعدد الافراد خلال دوريه جمع البيانات وذلك عـند اصـدار الجـداول الاحصائيه على مستوى الدوره أو المستوى السنوى ٠

سه جدير بالاشاره أن الجداول التي تتضمين المتغيير تركيب الاسيره : والمحدد فيما يلي:

١٠ زوجان بدون اولاد مع آخرين

۰۱ زرجان فقط

٤٠ زوجان واولادهما مع آخرين

٥٠ زرجان واولادهما فقط

٦٠ أحد الزوجين مع الاولاد وآخرين

٥٠ أحد الازواج مع الاولاد

٧٠ مجموعه أفراد خلاف ما سبق ١٨٠ شخص بمفرده

لم يكن بالامكان صدورها نتيجه قصور في تعبريف وجمسع بيانات وترمسيز بيان " العلاقه برب الاسبره " والمرمز على النحو التالي :

٢٥ زوجه رب الاسره

١٠ رب الاستسرة

ع م ابناء ربنات متزوجسین

- ۰۳ ابناء وبنات غسير متزوجسين
- ٥٠ زوجات / أزواج الابناء أو البنات ٥٦ حفيد أو حفيده
 - ٧٠ والدى رب الاسره أو زوجته ٨٠ آخرون

۹۰ خدم

(انظر مرفق (٣) الذي يوضح التعرف على تركيب الاسره صحيحا في حساله كسون ربها هو الزوج أو الزوجه سقدم للمناقشه وعلى أثره الغليث الجسداول التي تتضمن تركيب الاسره)٠

صـ مراجعة وتقييم ما تم تنفيذه بالحاسب الالكتروني :

أ، ادخال البيانات:

تم تدريب العاملات على ادخال البيانات ، وتم ادخـال جــز كيير من البيانات الديموغرافيه (المسكن رالافراد) ويجـرى ادخـال بيانات الاستماره الاسبرعيه ، والعمل يسير بشكل جيد كما سبق ذكره تحت بنــــد (٣ - ج) •

كما تم ادخال بيانات فرضيه عن الدخل من أجمل ايجمعاد معلف بيانات لاختيار البرامج الخاصة به •

به النظام التحليلي والبرامج (المرحله الاولى):

تم الاخذ بالتوصيات المذكوره بالتقرير الاول وتم التركيسين على استكمال المرحلة الاولى من النظام وهي : الحصول على الملفات الاساسسية صحيحة وشامله ه

وأعد لذلك ثلاثة برامج أساسيه لاختبار كل مسن التحقسق ، التناسسة ، الشمول و هذه البرامج لم تكن قد اختبرت بشكل كاف عند بدء الزياره ، كمساأن التقارير الصادره عنها ذات طبيعه مركبه توعش على سرعة ودقسة عمسلية التصويب للاخطاء و

وخلال الزياره فقد تم التالى:

- استكمال الاختبارات الخاصه ببرامج التحقق والتناسق
- اعاده صياغه التقارير الصادره عن كل منها لتكلون سهله القلسراءه؟ «سدله التصالي
 - استدعى ذلك دراسه قواعد التناسق وصياغتها بشكل بسيط لتصدر تقللارير التناسق بناء عليها
 - تم ذلك بالنسبه لبيانات المساكن / السكان/ الاستمساره الاسبوعسيه/ الاستماره الربع سنويه/ تحديث الاستماره الديموغرافيه/ الدخل •

٦- استكمال دراسه النظام التحليلي وتصميمه:

ينقسم النظام التحليلي الى مراحل شلات أساسيه عي : الحصول على ملفات البيانات الاساسيه صحيحه وشامله وذلك من خلال برامج الادخال ، التحقلي ، التناسي ، الشمول ،

المرحلة الثانية: وتتكون من جزئين هما : أن اعداد ملفات تلخيصية للبيانات الاساسية تساعــد على استفراج التبويبات الاحصائية،

ب• استخصراج التبويبات الاحصصافيه بشكصل محفصوت بالحاسب الالكتروني يمكن استرجاعه وايضا بشكصل مطبوع قابل للنشر

المرحله الثالثه: مرحلة حساب المواشرات والعلاقات الاحصافيه اللازمة للتحليل الاحصافي وكذلك الاستنفدام المستقبلي للبيانات والتبويبات •

وتحت هذا الاطار في النشر الى النظام التحليلي فيان المرحصلة الاولى منه تمت مناقشتها أثناء الزيارة الاولى وتم مراجعتها واستكمال معامها خطل هذه الزيارة كما هو مذكور تحت بند (٥-ب)، أما المرحلة الثالثة فسوف تأتى متأخرة في الوقت بعد أن يحدد الخبير الاحصائى احتياجاته الحسابية في التحليل،

وأثناء هذه الرياره فقد استكملت مناقشه المرحله الشانيه من تحسليل وتصميم النظام بجزئيها (أ) ، (ب) ، رقدمت بعض الرسومات التوضحسيه بهسذا السأن (انظر مرفق ٤) رقد تم شرحها والموافقه على اتباع الخطوات وأسلوب المعالجة الالية التى تحدده •

وجدير بالأشساره انه تم اولا دراسسه التبويبات الاحسائية المذرم اصدارها عن البحث ، كما هو وارد في بند (٤) ، ممسا أمكسن تعسريف الملفات التلخيصية ومحتوياتها من البيانات لكى تفسى باصدار التبويبات الاحصائية المطلوبة •

كما تم الاتفاق مع الحاسب الالكتروني أن يتم اصدار جدداول المجموعتين (۱) ، (۱۶) قبل منتصف يوليو ١٩٨٣ وهو موعد زياره المستشار الشالثه للمشروع ، وذلك بالاضافه الى استكمال براميج الشماول للبيانات المختلفه وذلك كحد أدنى في التنفيذه (انظر مرفق رقم (٥): محاضر لبعض الاجتماعات مع الحاسب الالكتروني)

γ_ استعراض مشروع السجل السكاني :

في مقابله مع سعاده الشيخ مدمد عطية الله آل خليفيه مصدير ادارة الاحصاء ، فقد استعرض سعادته مشروع السجيل السكياني الذي تعطيه الاداره أعميه بالغه وأولويه كبيره في التنفيذ ، وتسيال عن امكانيه مساعده الامحم المتحده / اللجنه الاقتصاديه لغربي آسيا في المساهمه الفنيه والماليه في تنفيذ المشروخ •

كما تم تقديم موجز عن المشروع (انظر ملحى رقام (٦)) أعطليت مسنه نسخه للسيد الدعتور رئيس قسم الإحصاء باللجانه الاقتصادية لغاربي آسليا لدراسته وابداء الرأى •

وايضا قام المستشار باستعراض المشروع مع السيد الدكـــتور رئيس قســم التعاون الفني باللجنه الاقتصاديه لغربي آسيا والذى تواجد في مهمه رسمــيه بالبحرين لمده قصيره خلال عمل المستشار بالبحرين ٠

٨ـ توصيات : نوصى بما يلي :

- أه العمل بالاقتراحات المذكوره بهذا التقرير وتنفيذ مصا تم الاتفصال عليه مع دائرتي الاحصاء والحاسب ه
- ب استمرار التعاون بين ادارة الاحصاء بالبحرين واللجسنه الاقتصلاييه لغربن آسيا لل مشروع مسوح الاسر من أجل انجاز بحسث نفقلات ودخلل الاسره •

٩- الاشخاص الذين تم مقابلتهم أشناء الرياره:

ادارة الاحصاء:

الشيخ محمد عطية الله آل خليفه مدير ادارة الاحصاء

داشرة الاحصاء:

السيد/ ابراهيم خليفه مطر السيد/ محمد عيس الجزاف السيد/ محمود يوسف احمدي

السيد/ أديب حسن المملوع

السيد/ عبد العزيز عجاج

دائرة الحاسب الالكتروني:

السيد/ سيد على سيد محمد الانسه/ نجمه الجناحي الانسه/ سلفا بو نجاني الانسه/ هيام النجار السيد/ ابراهيم المحمود

خبراء ادارة الاحصاء:

الدكتور/ عبد الخالي ذكري

الاستاذ/ مصطفى الجندي

مكتب الامم المتحده:

السيد/ عبدالرحمن الخزيم الدكتور/ زهير أمين

اللجنه الاقتصاديه لغربي آسيا:

الدكتور/ لبيب عبد النور

رئيس دائرة الاحصاء رئيس مشروع بحث نفقات ودخل الاسره المراقب المساعد للشئون المكتبيه للبحث. المراقب المساعد للشئون الميدانيه للبحث

> رئيس العمليات رئيسه معللى النظم معلله / مبرمجه مبرمجه مبرمج

مدير مشروع الأمم المتحده للتدريب الاحصائي. خبير الاحصاء بدائرة الاحصاء

> الممثل المقيم نائب الممثل المقيم

رعيس قسم التعاون الفني

APPENDIX NO.1

LIST OF STATISTICAL TABLES

(Second Version)

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Interviewed Households and Household Members By:

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- 2. Household Size
- 3. Household Composition
- 4. Sex and Age of Head of the Household
- 5. Level of Education of Head of the Household
- 6. Marital Status of Head of the Household
- 7. Occupation of Head of the Household
- 8. Economic Activity of Head of the Household
- 9. Employment Status of Head of the Household

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- 12. Marital Status
- 13. Occupation
- 14. Economic Activity
- 15. Employment Status
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- 8. Economic Activity of Head of the Household
- 9. Employment Status of Head of the Household

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Interviewed Households For Income and Household Members By :

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- 5. Level of Education of Head of the Household
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- 5. Level of Education of Head of the Household
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- 8. Economic Activity of Head of the Household
- 9. Employment Status of Head of the Household
- 10. Group of Annual Household Expenditure

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- 2. Household Size
- 3. Household Composition
- 4. Sex and Age of Head of the Household
- 5. Level of Education of Head of the Household
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13	2	Average Annual Purchased Durable Commodification									
13	3	Per Household, 27 Average Annual Purchased Durable Commodities, Per Household, By Type of Living Quarter. Per Household, By Type of Living Quarter.									
13	4	Average Annual Purchased Durable Commodified Per Household, By Sex and Age of Head of the									
13	5	Average Annual Purchased Durable Commodities, Per Household, By Level of Education of Head									
13	6	Average Annual Purchased Durable Commodified. Per Household, By Marital Status of Head of									
13	7	Average Annual Purchased Durable Commodition. Per Household, By Occupation of Head of the									
13	8	Average Annual Purchased Durable Commodities, Per Household, By Economic Activity of Head									
13	9	Average Annual Purchased Durable Commodities, Per Household, By Employment Status of Head of the Household.									
14	1	Interviewed Households By Type of Living Quarter and Region.									
14	2	Interviewed Households By Type of Hiving Quarter and Household Size.									
14	3	Quarter and Interviewed Households By Type of Living Quarter and Sex and Age of Head of the Household.									

NO.	TABLE NO.	NAME OF TABLE
14	4	Interviewed Households By Type of Living Quarter and Level of Education of Head of the Household.
14	5	Interviewed Households By Type of Living Quarter and Marital Status of Head of the Household.
14	6	Interviewed Households By Type of Living Quarter and Occupation of Head of the Household.
14	7	Interviewed Households By Type of Living Quarter and Economic Activity of Head of the Household.
14	8	Interviewed Households By Type of Living Quarter and Employment Status of Head of the
14	9	Interviewed Households By Type of Living Quarter and Type of Use.
14	10	Interviewed neuscholds by Type of Hiving Quarter and Total Number of Rooms in the
14	11	Interviewed Households By Type of Living Quarter and Number of Bed-Rooms in the Living Quarter.
•••••	• • • • • • • • •	
5	1	Household Members of Interviewed Households Whose Residence Terminated By Reason And Region.
5	2	Household Members of Interviewed Households Whose Residence Terminated By Reason And
5	3	Household Members of Interviewed Households Whose Residence Terminated By Reason And Type of Living Quarter.

	a ana ana ana ana ana ana ana ana ana a	NAME OF TABLE
GROUP NO.	TABLE NO.	
15	4	Household Members of Interviewed Households Whose Residence Terminated By Reason And Sex and Age of Head of the Household.
15	5	Household Members of Interviewed Household Household Members of Interviewed Household Household.
15	6	Household Members of Interviewed Household And Whose Residence Terminated By Reason And Whose Residence of Head of the Household.
15	7	Household Members of Interviewed Household Household Members of Interviewed Household And Whose Residence Terminated By Reason By Reas
15	8	Household Members of Interviewed Household And Whose Residence Terminated By Reason And Whose Residence Terminated the Household.
15	9	Household Members of Interviewed Rosa Whose Residence Terminated By Reason And Whose Residence Terminated By Heason And
		Employment Status 02
	1	Completed Questionnaires by Type of Questionnaires and Region (for office use).

APPENDIX NO.3

DEMONSTRATION ON THE ANALYSIS
AND COMPUTERISATION OF THE
HOUSEHOLD COMPOSITION

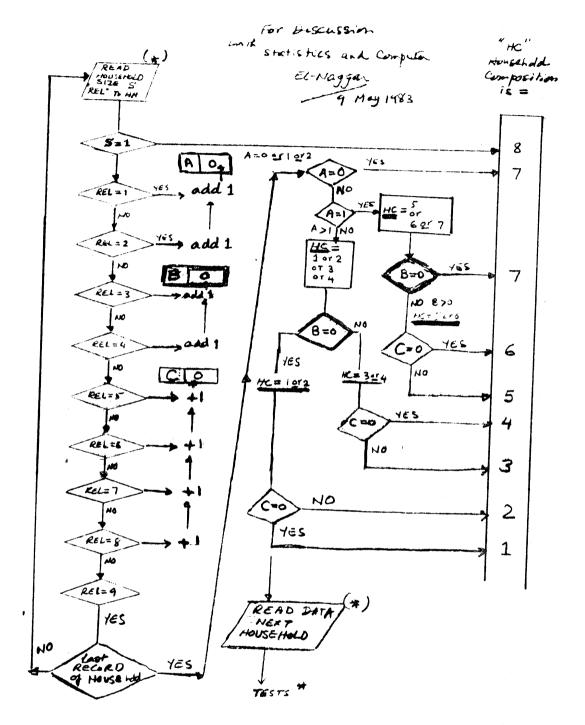
For Discussion with:

Statistics Department And Computing Department

A. EL-NAGGAR ECWA/R.A.D.P.

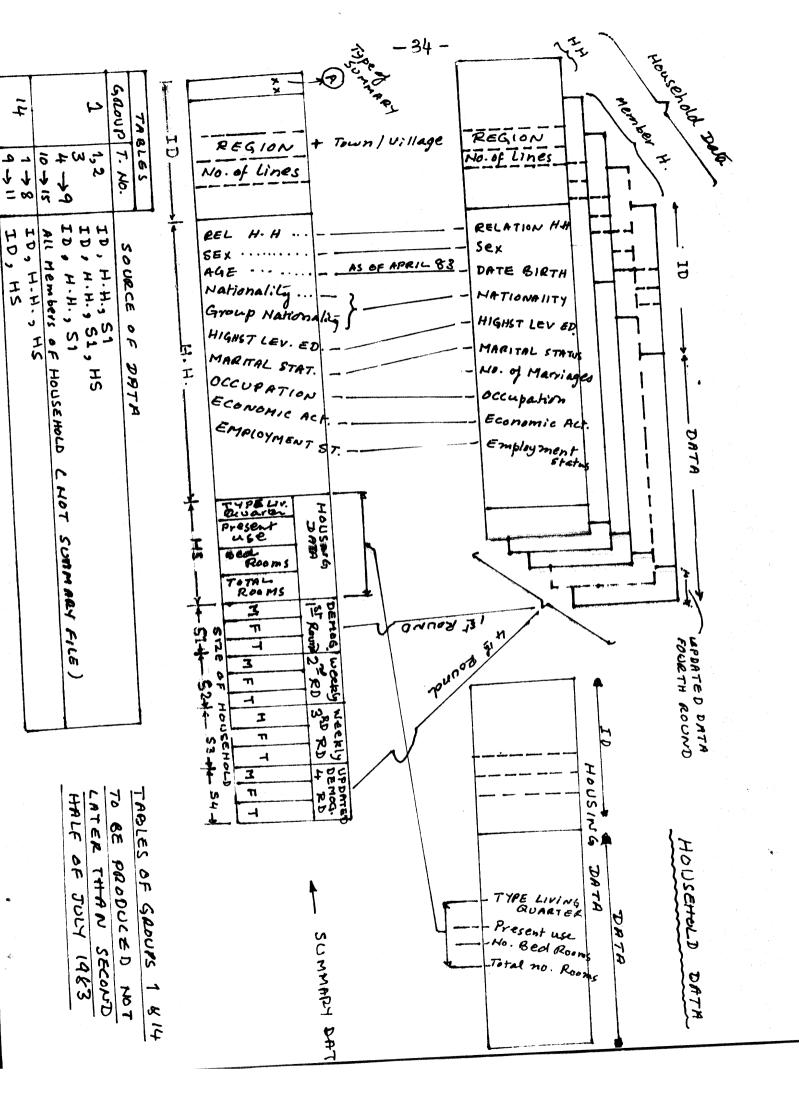
9 MAY 1983

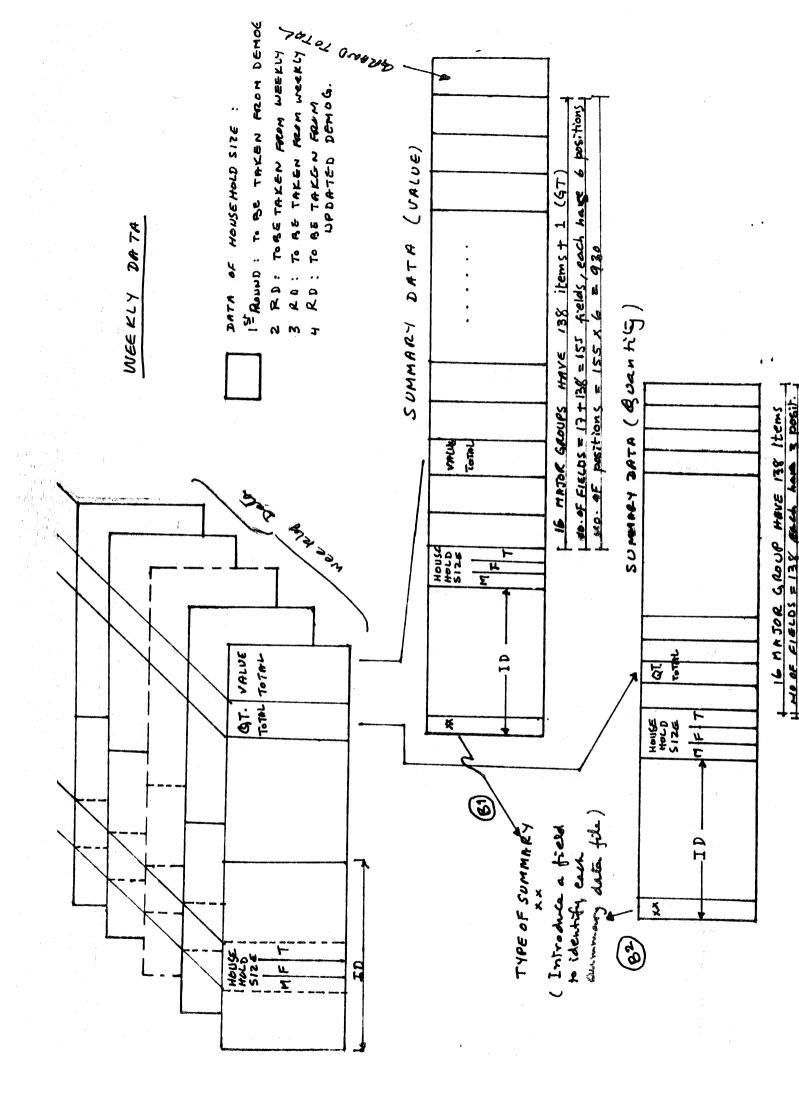
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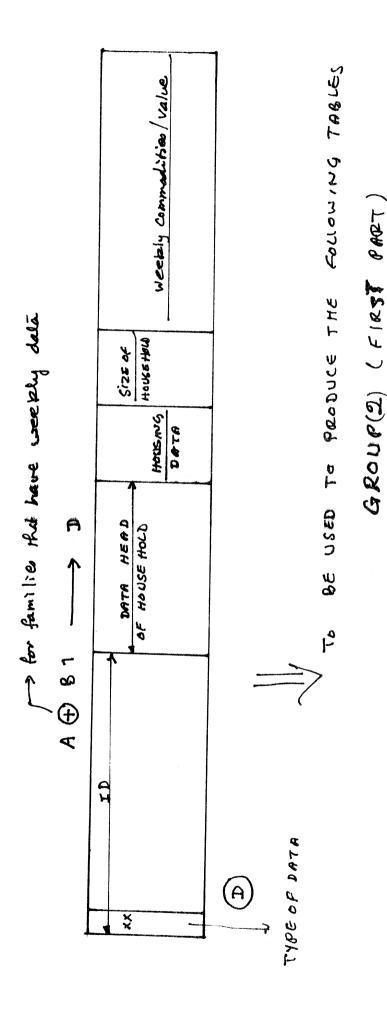


Demonstration on the Analysis and computation of the HOUSEHOLD COMPOSITION

(Other Methods may be used such as Logical Statements or Computational Formula ... to be discussed)





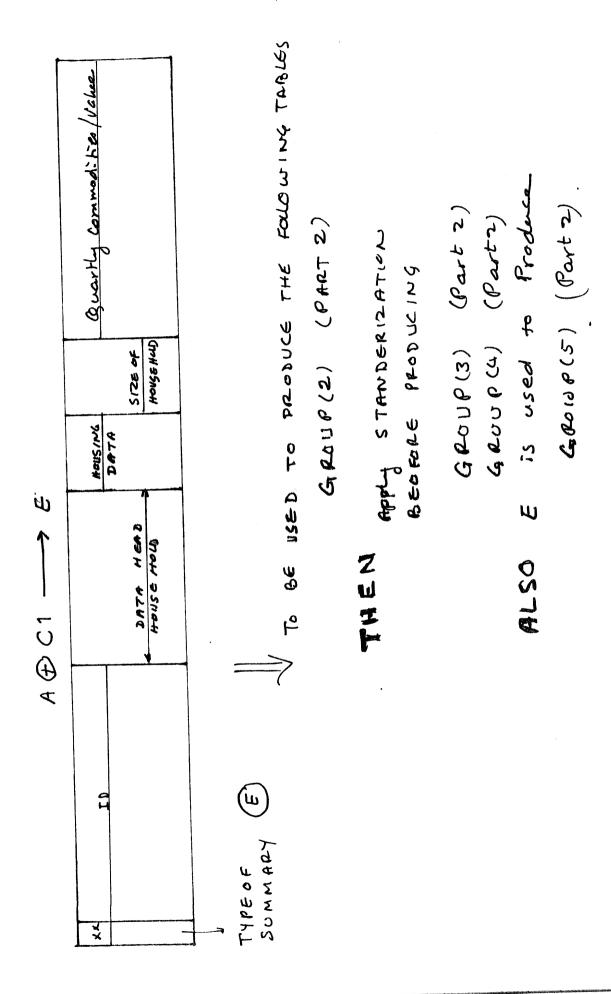


THEN APPLY STOOMER 12ATION REFORE PRODUCING :

GROUP(3) (Part 1)

GROUPCH) (Part 1)

SO D is USED TO PRODUCE (Part 1)



APPENDIX NO.5

MINUTES OF MEETINGS WITH COMPUTING DEPARTMENT

STATE OF BAHRAIN
DIRECTORATE OF STATISTICS
COMPUTING DEPARTMENT

SYSTEM: HOUSEHOLD EXPENDITURE & INCOME

NOTES OF THE MEETING HELD ON 30TH APRIL, 1983 AT 8.30 A.M. - COMPUTING DEPARTMENT'S OFFICE

Present: Dr. Abdullah El-Naggar - ECWA

Dr. Mustafa Al-Jundi - Statistics
Mahmood Ahmadi - Statistics
Najma Al-Janahi - Computing
Salve Bonganay - Computing

- 1. System Status and actions taken after ECWA's consultant leave were discussed.
- Computing reports about above system's progress. System dealing was discussed in detail, especially when propessing the coverage. Examples were given by ECWA consultant. Computing and Statistics agreed to check that number of persons equal number of lines.
- 3. Computing mentioned that validation and editing programs are ready according to checking rules provided by Statistics. Validation error list was presented. ECWA Consultant suggested to do minor changes to simplify encoders and operators job. Computing and Statistics agreed to make the following changes in validation program.
- 3.1 Starting column numbers should be printed above each field within Heading Titles.
- 3.2 Each Invalid Record to be printed on a line and a gap of 2 lines to be left between each record. Asterisk to be printed under invalid fields.
- 3.3 If two similar records (duplicated in all fields) were detected, then second record should be deleted. In case that duplication occurs only in key number, then both records should be deleted and the serial number to be printed as a missing number.

- 3.4 A skip to new page should be made for each record type.
- 3.5 Records with invalid or blank record type should be deleted from the file and defined as a missing number.
- 4. Editing rules were discussed. Layout of editing report was discussed. ECWA Consultant asked to implement same changes applied to validation report. Statistics and Computing agreed to make the following:
- 4.1 Editing rule numbers to be specified by Statistics.
- 4.2 Editing rule number to be printed under each invalid field.
- 4.3 If an invalid field was encountered under one rule, then all other checks which dealt with the same field should be skipped.
- Computing asked Statistics to prepare a sample of data sets to test validation and editing programs.

NAJMA AL-JANAHI

STATE OF BAHRAIN
DIRECTORATE OF STATISTICS
COMPUTING DEPARTMENT

SYSTEM : HOUSEHOLD EXPENDITURE & INCOME (H.E.I.S.)

NOTES OF THE MEETING HELD ON 8TH MAY, 1983 AT 11.30 A.M. IN STATISTICS DEPARTMENT

Present: Abdullah El-Naggar - ECWA Consultant, S.D.

Mustafa Al-Jundi - Statistics Dept.,S.D.

Mahmood Ahmadi - Statistics Dept.,S.D.

Adeeb Al-Mutawa - Statistics Dept.,S.D.

Najma Al-Janahi - Computing Dept., C.D.

Salve Bonganay - Computing Dept., C.D.

- SD has agreed to decide on how to deal with Households which have only 2 weeks Expenditure details.
- 2. CD asked Statistics to assign priorities for different tasks. SD said that priorities should be as follows:
 - * Changes to validation and edit, and coverage programs should be done first.
 - * Table layouts and contents should be finalised.
 - * If possible, there should be a daily meeting with CD to discuss those tables.
- 3. ECWA Consultant mentioned that most of the required tables were specified as a total rather than as partial. Then all group tables were categorised and defined.
- 4. CD mentioned that a lot of things should be confirmed from now on such as how much paper will be needed, and priority at Computer Centre should be given to H.E.I.S. programs execution.
- 5. SD mentioned that Group 1 (G1) should be produced for Bahrainis and Non-Bahrainis and for totals. Statistics should decide whether Nationality grouped or detailed codes should be used. Tables should be produced by Towns and Villages. Table 16 (T16) has been shifted to G16. T16 in G1 has been replaced by another table.

(8 MAY 1983)

- 6. SD mentioned that all tables which deal with Occupation Code then always 2nd digit should be used for office use tables.
- 7. SD mentioned that a new group will be defined to contain all Nationality codes. Gl Table No.7 should be produced as it is and same table should be produced according to 2nd digits. So Gl will contain 17 tables.
- 8. SD mentioned that G2 will contain 11 tables and it will be produced on quarterly basis and then yearly. Tables which contain commodity codes should be produced twice. One for durable (quarterly) and the other for non-durable (weekly). So totally, 660 tables will be required as maximum and 264 tables as minimum.

APPENDIX NO.6

CENTRAL POPULATION REGISTER PROJECT (CPR)

APRIL 28, 1983

Due to the responsibility assigned to the Directorate of Statistics to establish a comprehensive Information System for the State of Bahrain and to provide demographic and economic statistics.

The Directorate of Statistics has foreseen the urgent need to develop firm basis on which such information could be made available so that it minimizes the effort to conduct information surveys. Thus the Government has agreed to develop a Population Register which will include Bahrainis and Non-Bahrainis. This register is to be updated regularly via an on-line computer system. The data which the Population Register will include are as follows:

Personal Number
Name
Postal Address
NAP Address
Marital Status
Sex
Number of Spouses
Nationality
Place of Birth
Qualification
Specialization
Religion
Father's Personal Number
Mother's Personal Number

Thus a total record of the Population is available instantly. Upon this record a perfect sample could be retrieved to conduct any Survey.

It is clear, that this basic data does not include all information about an individual. The plan which is now under implementation is that each Ministry will be able to add to this database their requirements later. For example, the following fields is to serve the Ministry of Health, Ministry of Labour and Social Affairs and Immigration:

Blood Type Passport Number Place of Issue Date of Issue
Date of Arrival in Bahrain
Reasons for Residence
Reasons for Living in Foreign Country
Labour Force Participation
Employment Status
Commercial Registration No. of Sponsor
Commercial Registration No. of Employer
Occupation Code
Number of Marriages
Age When First Married
Number of Children Ever Born
Number of Children Still Alive

Thus other data will be made available in this database once the whole system is completed.

The Directorate of Statistics has been planning this project for the last two years and the database has been created, data has been input to this database for every individual and by March 1984, the system will be activated and the database will be updated with new records. Each sector of Bahrain will be added to this database plus the fact that any individual coming to Bahrain will be registered by the system. Any individual in Bahrain can register in this system at the Health Centre or Ministry of Labour. The whole idea to implement each sector of Bahrain individually, thus providing a total coverage for the

The Government of Bahrain has agreed to implement a National Household Survey Capability Programme. According to the project, documentation has been designed between the Government of Bahrain and the United Nations Representatives (ECWA). This programme will include the following:

- a. Household Expenditure and Income Survey
- b. Labour Force
- c. Demographic Survey
- d. Migration
- e. Health and Nutrition
- f. Education

As listed above, the Household Expenditure and Income Survey is already under implementation by the Government of Bahrain with the United Nations Representatives (ECWA) as the Advising Party. Regarding b, c, d and e Systems, since these are directly related to the individuals, it is essential to link these to the Population Register Project. Since the CPR project will provide

the basis for the above four projects, all the data required for these systems will be available within its database. Once the Population Register is totally implemented, we will automatically be able to study those topics not only on a sample basis but also on a total coverage of individuals within the State of Bahrain. Information related to those systems could be then produced automatically on an annual basis.

It is the recommendation of the State of Bahrain to look closely into the Population Register and to link it with the National Household Survey Capability Programme so that by the year 1985 all those surveys and information will be available for the State of Bahrain.

If this is agreed then plans to take this into account could be made at this early stage so that once the system is completed then all the above four mentioned surveys would have been completed or nearly completed with the completion of the Survey and thus planning for such things is required to go ahead straight away so that we can achieve this task.



