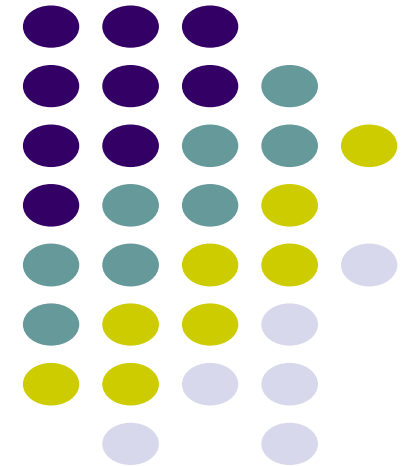


International Association for Official Statistics
IAOS 2016

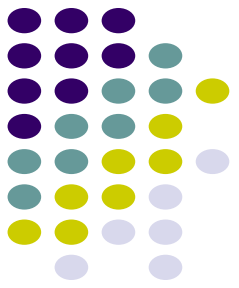
Improving Official Statistics by maximizing the use of Administrative Data at Department of Statistics of Morocco: Current situation and prospects

Abu Dhabi, UAE, from 6 to 8 December 2016

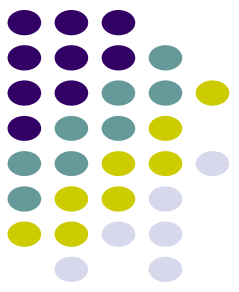
Mr. Bouazza BOUCHKHAR



Plan

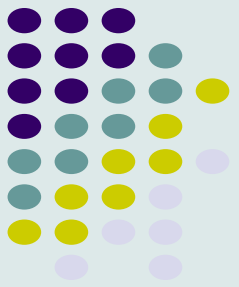


- Introduction
- The processes of production of official statistics in Department of Statistics in Morocco
 - Legal and Institutional environment
 - The processes of production of official statistics
- The use of administrative data in Department of Statistics in Morocco
 - Exploitation process
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- Perspective
- Conclusion

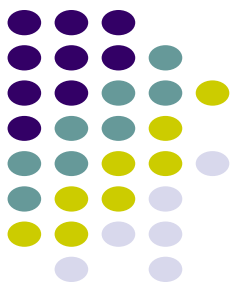


Introduction

- The administrative data sources owned by public institutions set up an important information asset for official statistics.
- The use of administrative data in the production of the official statistics has exceedingly increased in the recent years.
- In Morocco, Statistics producers are more and more making use of administrative sources.
- The Department of Statistics in Morocco use administrative data in the production of official statistics for several reasons.

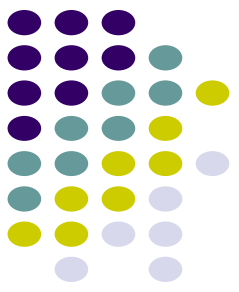


The processes of production of official statistics in Department of Statistics in Morocco



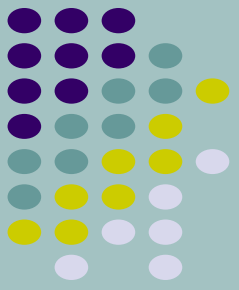
Legal and Institutional environment

- The Department of Statistics in Morocco is the core of the National Statistical System.
- The Moroccan statistical system is a decentralized system.
- The Department of Statistic in Morocco has developed cooperative relationships with other departments and public institutions.



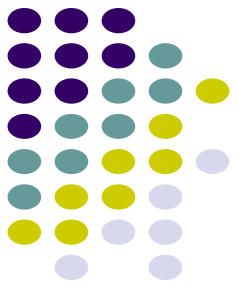
The processes of production of official statistics

- The production of statistics is done by using several types of statistical process:
 - Census
 - Surveys
 - The use of administrative data

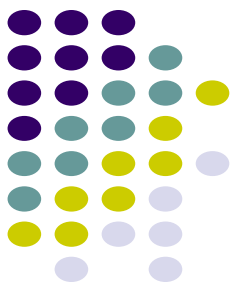


The use of administrative data in Department of Statistics in Morocco

The use of administrative data in Department of Statistics in Morocco



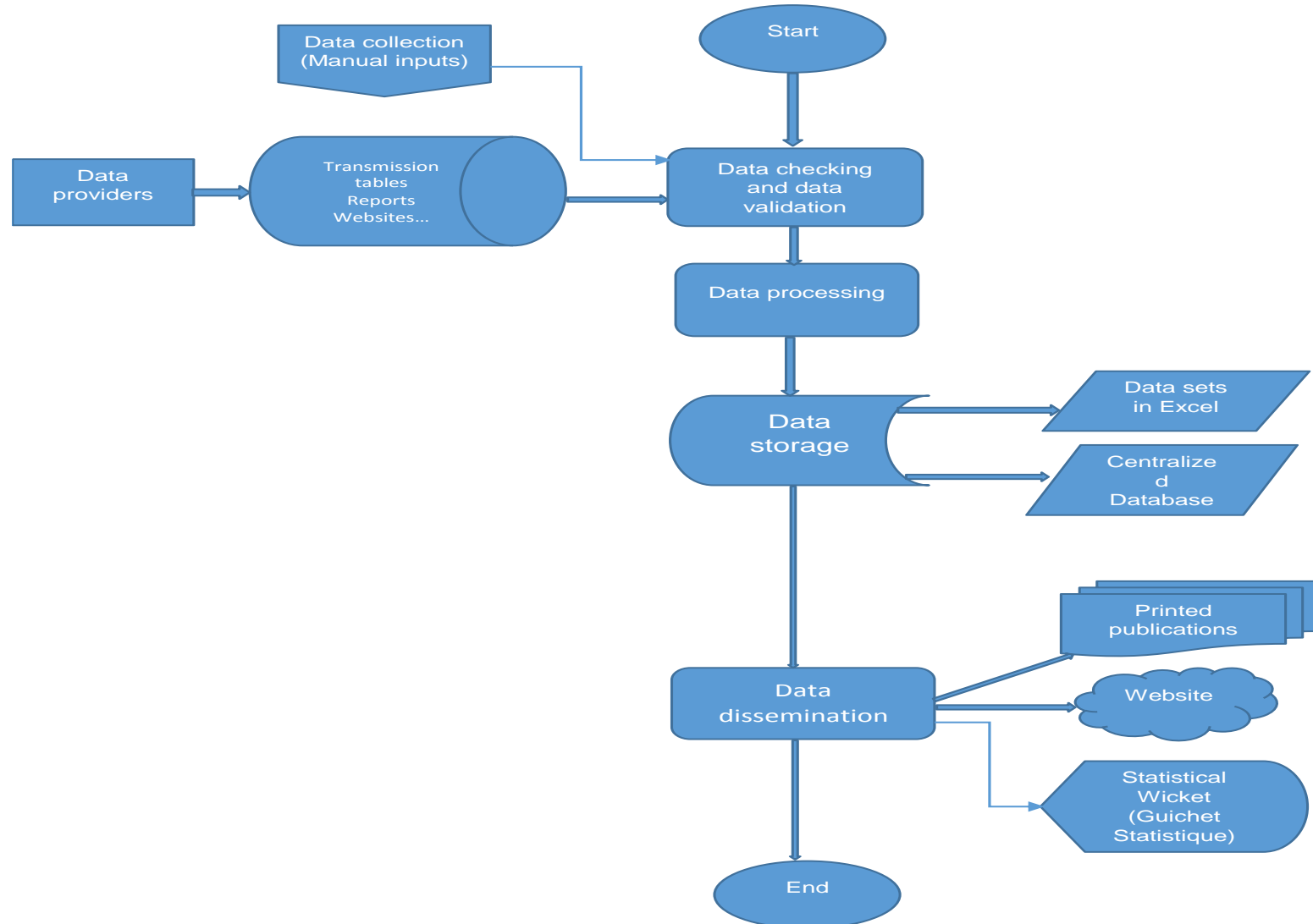
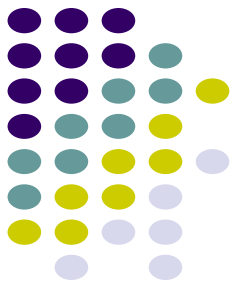
- Administrative data are a potential source of statistical data
- Conducting surveys and censuses is usually very expensive.
- Department of Statistics in Morocco has a long experience of using administrative data.
- Since 1970s, many advances has been made in the use of administrative data.
- There are some weaknesses, or difficulties.



Exploitation process

- Administrative data pass through a number of steps involving human interaction and computation.
- The main tasks:
 - The quality of the administrative data.
 - Evaluating its possible use for statistical purposes.

Process flowchart for the collection, management and dissemination of data



Generic Statistical Business Process Model (GSBPM, Version 5.0)



Specify needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1. Identify needs	2.1. Design outputs	3.1. Build collection instrument	4.1. Create frame & select sample	5.1. Integrate data	6.1. Prepare draft outputs	7.1. Update output systems	8.1. Gather evaluation inputs
1.2. Consult & confirm needs	2.2. Design variable descriptions	3.2. Build or enhance process components	4.2. Set up collection	5.2. Classify & code	6.2. Validate outputs	7.2. Produce dissemination outputs	8.2. Conduct evaluation
1.3. Establish output objectives	2.3. Design collection	3.3. Build or enhance dissemination components	4.3. Run collection	5.3. Review & validate	6.3. Interpret & explain outputs	7.3. Manage release of dissemination products	8.3. Agree an action plan
1.4. Identify concepts	2.4. Design frame & sample	3.4. Configure workflows	4.4. Finalise collection	5.4. Edit & impute	6.4. Apply disclosure control	7.4. Promote dissemination products	
1.5. Check data availability	2.5. Design processing & analysis	3.5. Test production system		5.5. Derive new variables & units	6.5. Finalise outputs	7.5. Manage user support	
1.6. Prepare business case	2.6. Design production & workflows	3.6. Test statistical business process		5.6. Calculate weights			
		3.7. Finalise production system		5.7. Calculate aggregates			
				5.8. Finalise data files			

SWOT analysis

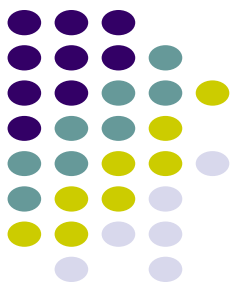


□ Strengths

- Specialized and qualified statisticians: Subject- matter statisticians (sectoral statisticians).
- The expansion of administrative statistics collection field in emerging fields.
- Strengthening inter-institutional cooperation.
- Harmonization of concepts, definitions and classifications used.

□ Weaknesses

- Lack in Human Resources.
- Difficulties in transmission of data: different transmission supports, delays....
- The quality of the metadata can vary from source to source.



SWOT analysis

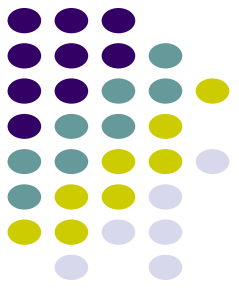
□ Opportunities

- New technologies are used to collect data.
- International and regional cooperation in the field of statistics.
- Increasing user needs.
- New needs to meet: SDGs.

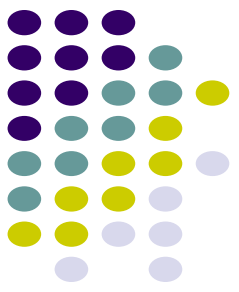
□ Treats

- Data are collected for administrative purposes.
- Administrations tend to focus on variables that are directly relevant for their administrative function.
- Inter-institutional relations.

Perspective

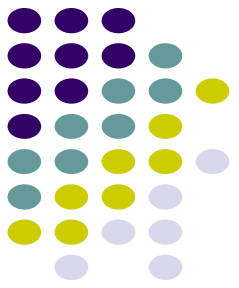


- More promotion of these statistics.
- More efforts have to be made to improve the collection in terms of quality, delivery and data transmission regularity.
- Close working relationship with administrative data holders.
- More advanced forms of cooperation.
- Standardization and automatization of the transmission of data.



Conclusion

- The awareness at Department of Statistics in Morocco about the importance of increasing use of administrative and other.
- This use is dependent on the quality of those sources.
- More efforts are needed to ensure the quality of these data.
- It is essential to have quality statistics to make effective and sound policy decisions.



Thank you!

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