



## Measurement methods in the African context

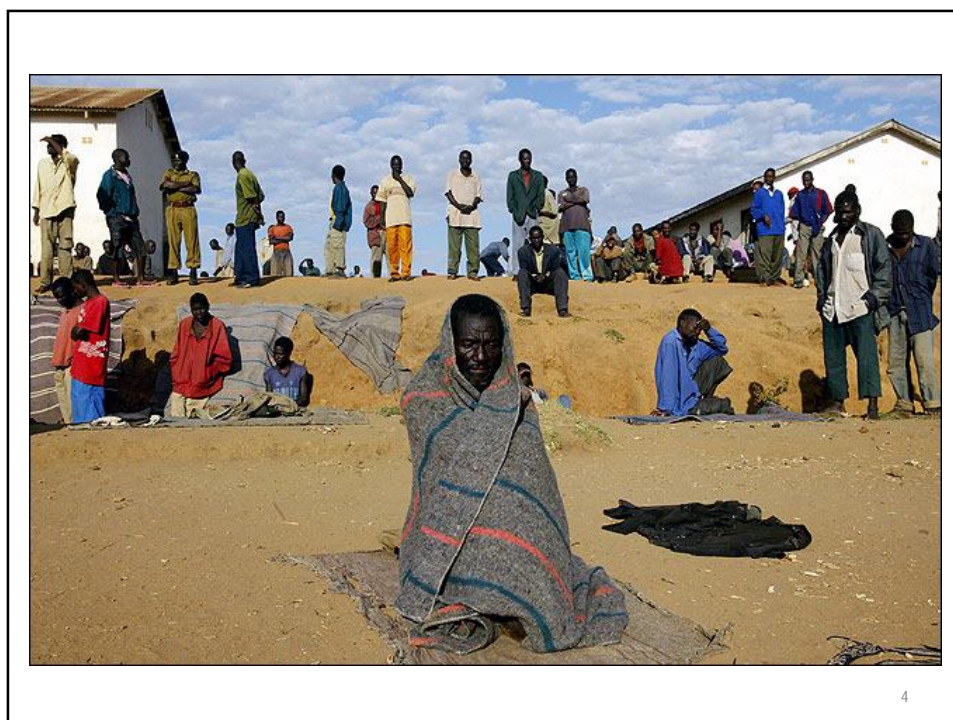
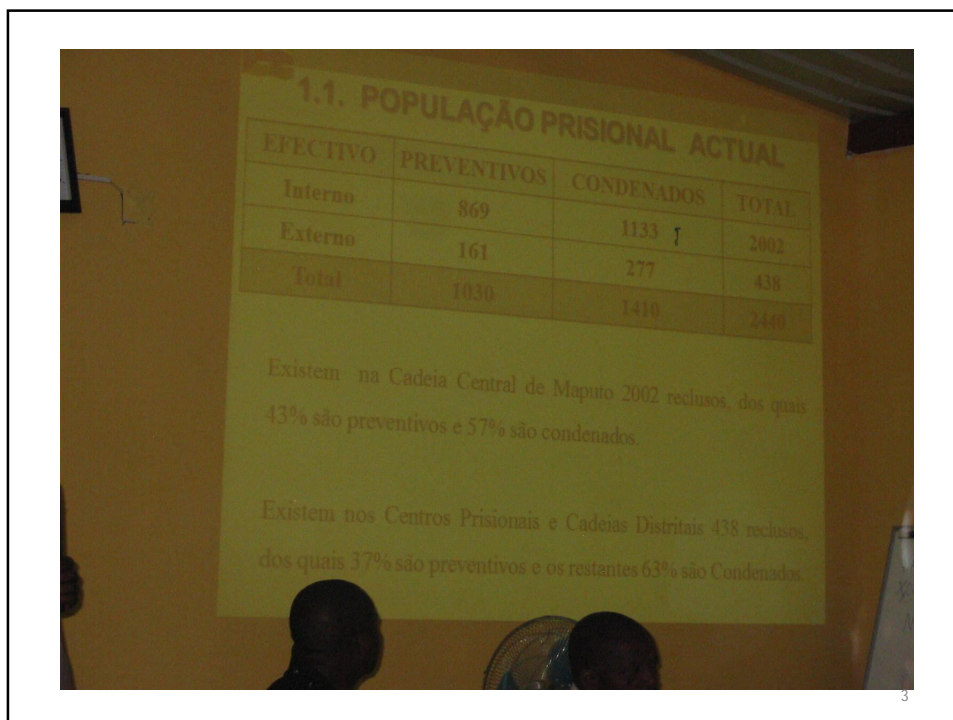
Dakar, Senegal

11 June 2014



## Data context in Africa

- Detailed population data regarding prisoners and detainees is seldom available
- States are also characterised by **low levels of state investment** in **record management** in the criminal justice system
  - States tend to concentrate on **managing records** rather than on creating data or doing research
  - **Unsuitability** of **electronic record-keeping** in many countries due to electricity supply and information technology challenges
  - **Varying quality and completeness** of paper records within and among countries



Example of Remand Register from one prison in Malawi

REMAND REGISTER		
12-11-12		
285 Frank Gift		Limbe
12 V. Napasika	Robbery	C/no. 7/12
C. Malolo		LS/Cr/188/12
D. Nsanje		
AGE: 26		
Stairly Charamba		
286 V. Didi	Theft from	Limbe
12 C. Nyachano	a Person	C/no 358/12
D. Mutale Zimbabwe		
AGE: 30		
Henry Kasewa		
287 V. Kibukwe	Theft	Limbe
12 C. Nsabwe		C/no. 365/12
D. Thyolo		LS/Cr/285/10
AGE: 30		
Frank Beyard		
288 V. Chimphamba	Robbery &	Limbe
12 C. Maluwangwak	violence	C/no 347/12
D. Ntcheu		LS/Cr/103/10/12
AGE: 20		
Gift Biyao		
289 V. Zupangani	Theft	Midima
12 C. Chikumbi		C/no 231/12
D. Mul		LS/Cr/314/10/11
AGE: 38		
Maliseni Maxwe		
290 V. Chisi	Theft	Midima
12 C. Tengori		C/no 212/12
D. Nsanje		LS/Cr/199/10/11
AGE: 21		

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Example of admission register from Cadeia Central, Maputo, Mozambique

Processo nº \_\_\_\_\_

Isde \_\_\_\_\_ Profissão \_\_\_\_\_

Localidade \_\_\_\_\_ Província \_\_\_\_\_

de \_\_\_\_\_

Estado pessoal (artigo 2º do Decreto nº 43 697) \_\_\_\_\_

Autos de nº \_\_\_\_\_

Prisão preventiva \_\_\_\_\_

Por (autoridade) \_\_\_\_\_

Trânsito em julgado em \_\_\_\_\_

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Impressão digital (indicador direito)	Impressão digital (indicador direito)
Altura _____	(Fotografia)
Peso _____	
Cor do cabelo _____	
Cor dos olhos _____	
Cor da barba _____	
Sinais particulares _____	

Cotas

Registro disciplinar

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ALUNOS BRIGADISTAS DA CARPINTARIA

NOME	CLASSE	ENTRADA	SADA	FAVORADO
Mansur Oliveira	31 Classe	7.21.14	9.20.14	F/C 127
Samuel Augusto	31 Classe	7.21.14	9.20.14	F/C 128
Guilherme Augusto	31 Classe	7.21.14	9.20.14	F/C 129
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 130
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 131
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 132
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 133
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 134
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 135
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 136
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 137
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 138
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 139
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 140
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 141
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 142
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 143
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 144
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 145
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 146
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 147
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 148
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 149
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 150
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 151
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 152
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 153
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 154
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 155
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 156
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 157
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 158
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 159
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 160
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 161
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 162
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 163
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 164
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 165
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 166
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 167
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 168
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 169
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 170
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 171
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 172
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 173
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 174
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 175
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 176
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 177
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 178
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 179
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 180
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 181
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 182
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 183
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 184
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 185
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 186
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 187
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 188
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 189
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 190
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 191
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 192
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 193
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 194
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 195
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 196
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 197
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 198
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 199
Luís Augusto	31 Classe	7.21.14	9.20.14	F/C 200

Maputo, dia 27 de Fevereiro de 2012

O Responsável

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## Populations

- “**Population**” is a an entire collection of items that share at least one property in common
  - For example, if we are talking about “prisoners in Africa” then the population is ALL the prisoners in ALL the prisons in Africa.
  - If we are talking about the prison population of Maula prison, it is all prisoners in Maula prison.
  - Very important to be clear about the population.
  - Sometimes we can work with datasets which comprise the whole population e.g. Census data, data held by prisons about all prisoners, etc.

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## Representative Samples

- An **unbiased (representative) sample** is a set chosen from the population using a selection process that does not depend on the properties of the objects (i.e. a random sample).
- Each individual member of the population has a known, non-zero chance of being selected as part of the sample.
- If we have a **representative sample of data**, we can make **population estimates about the whole population**

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## Samples

- Lack of population data means we must often use sample data
  - Can sample people in prison as at a date (“snapshot”)
  - Can sample admissions to prisons
  - Can sample releases from prisons
- Each kind of sample tells us something slightly different

## Zambia data collection tool

## Research context

- Varying levels of access to records kept by institutions in criminal justice system
  - Political repression preventing useful access to **official records** in **Zimbabwe** and **Angola**
  - But **alternatives** are available for research purposes which can provide some findings
    - In Zimbabwe, online publication of all high court judgements by the Judicial Service Commission permits some data on timelines to be collected and analysed
    - In Angola, extensive records kept by **Associação Mãos Livres** can be mined for data on timelines

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## Research context

- Access obtained in **Zambia**, **Malawi** and **Mozambique** through research partners who had pre-existing access agreements with institutions of the criminal justice system
  - However even here access to some **police facilities** in particular not achieved
  - Inferences have to be made from other data

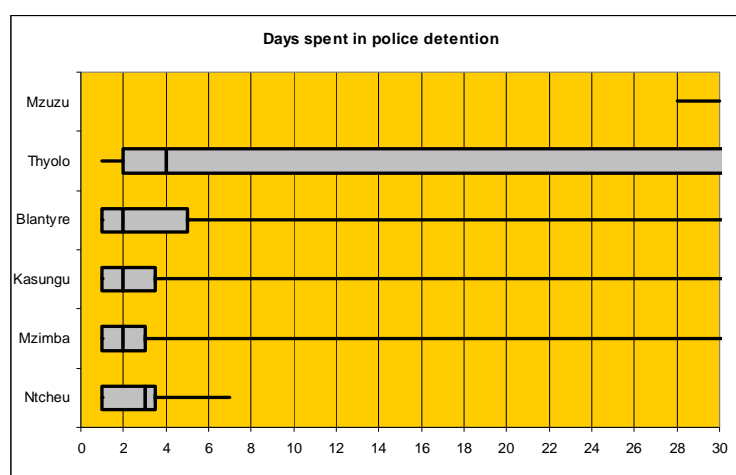
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## Pre-trial Audit Research Process

- Describe legal framework and process
- Describe institutions and functions
- Explore available records and sources of data
  - Design data collection tools
- Collect relevant data from available sources
- Analyse data in terms of legal framework
- Present findings from research
- Use findings to identify **problems** in **policy** or **implementation**

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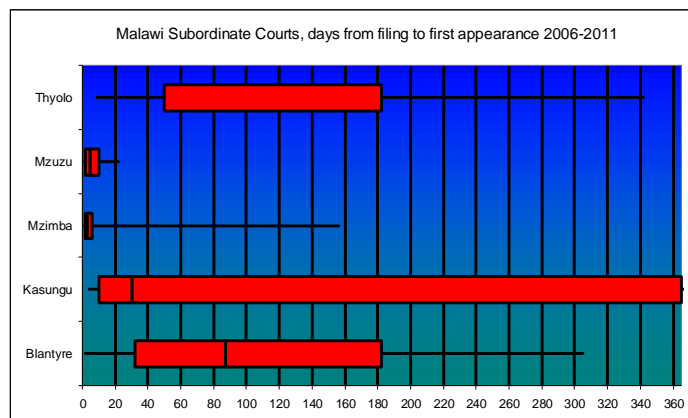
## Days in police detention (Audit finding)



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## Days to court process (Audit finding)



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## Zambia findings

- The **average** time an arrested person spends in police detention in Zambia has declined from 39 days in 2006 to 8 days in 2011
- The **median** has remained at around one day – in line with the **Zambian 24 hour rule** – in place since 2006, suggesting half of arrested people spend a day or less in police detention in Zambia.

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## Zambia findings

Lead to project  
to improve  
speed and  
utilisation of  
police bond

Police Detenti  
Average days i

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## Zimbabwe

- Inferences can be made about average duration of detention if number of admissions are known and number of people in custody remains more or less constant
- For example, if 5000 people are sent to remand prison in a year, then, for the number held at any time to remain at 5000 it would require average remand duration of one year

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## Zimbabwe



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## Pre-trial indicators

- Indicators discussed included length of detention, exposure rate, rate of imprisonment, etc.
- For reform processes findings need to be specific to local laws and context
- Different indicators need to be emphasized in different contexts
- Indicators can be used to track larger trends within specific reform processes

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