



Inequality of Outcome in Education

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Experts Group Meeting on Multidimensional Inequality in Arab Countries

Beirut, February 18, 2019

I. Objective

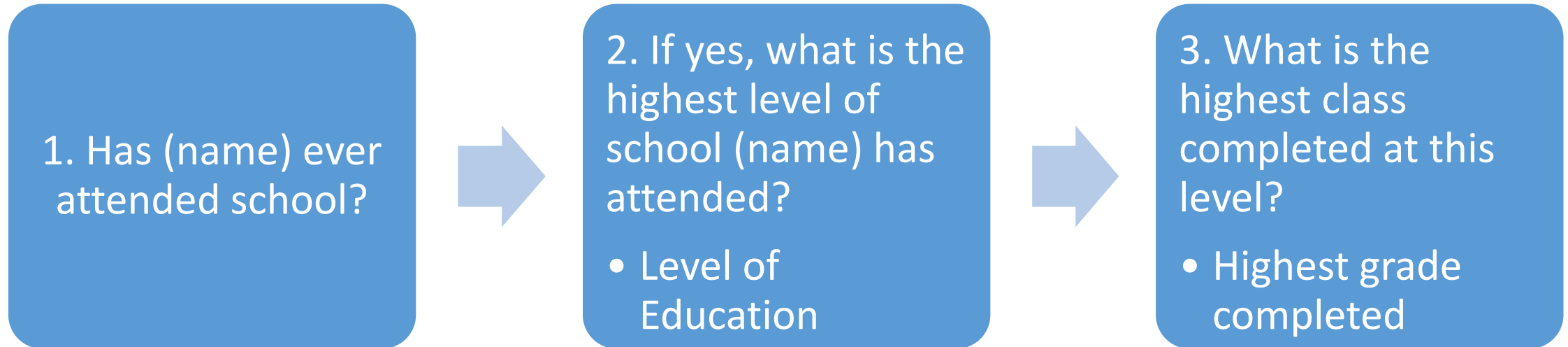
- **Assess the progress in educational attainment at a national level**
- **Assess the extent of its proportionality or skewedness across socioeconomic groups**
 - Spatial
 - Wealth quintiles
 - Parent's education
 - Extreme groups
- **Adopt a life-cycle approach :**
 - Young cohort (6-24)
 - Adult population (25 and above)
- **3 key indicators:**
 - Adjusted Net Attendance Ratio
 - Completion rates
 - Average years of education

II. Research Methodology and Data sources

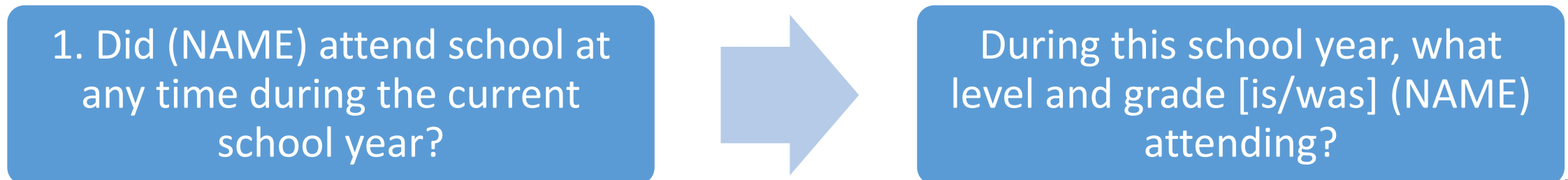
- 24 household surveys from three main sources:
 - Demographic and Health Surveys (DHS)
 - Multiple Indicator Cluster Surveys (MICS)
 - Pan Arab Project for Family Health (PAPFAM)
- Covering 8 Arab countries for two points in time (between 2000-2015)
- 16 surveys collected information on school attendance and highest level and grade at highest level completed
- This allows to construct the variable “years of education” as well as the adjusted net attendance ratios for primary and secondary schooling.
- **Detailed explanation can be found in the technical annex.**

II. Research Methodology and Data sources

Years of Education indicators are constructed based on the following questions:

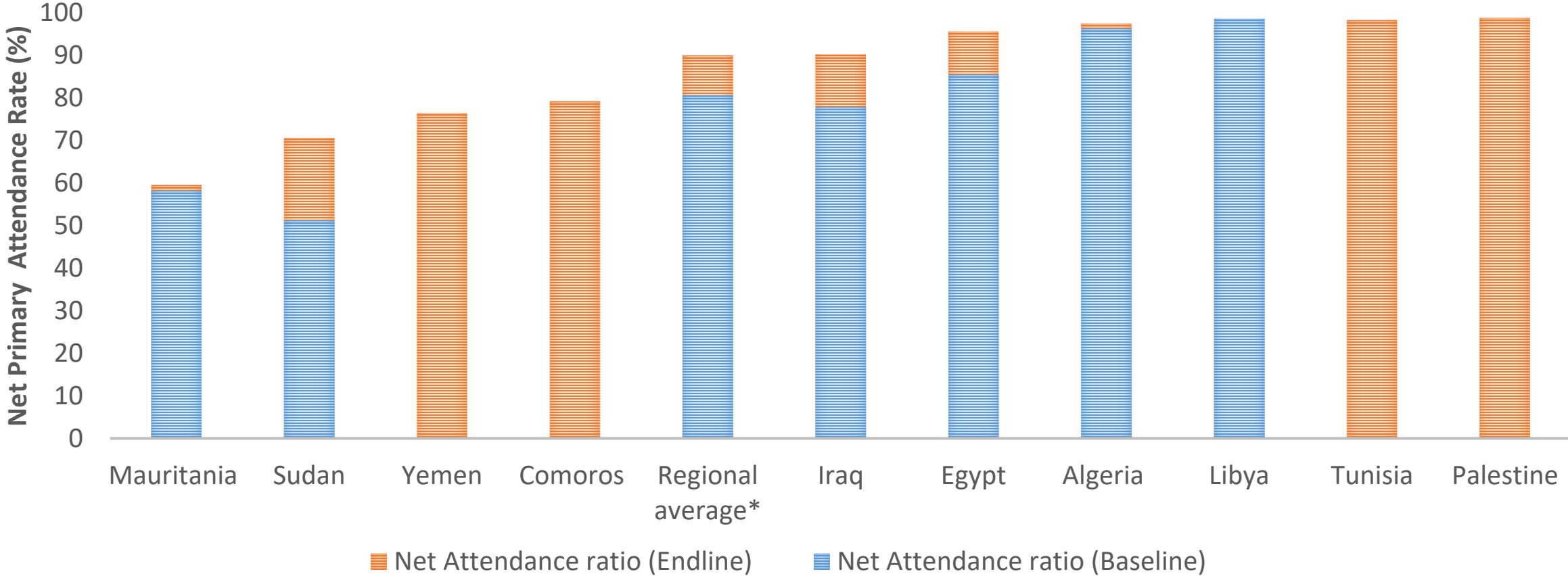


Adjusted Net Attendance Ratio are constructed based on the following questions:



III. Results: Assessing national progress

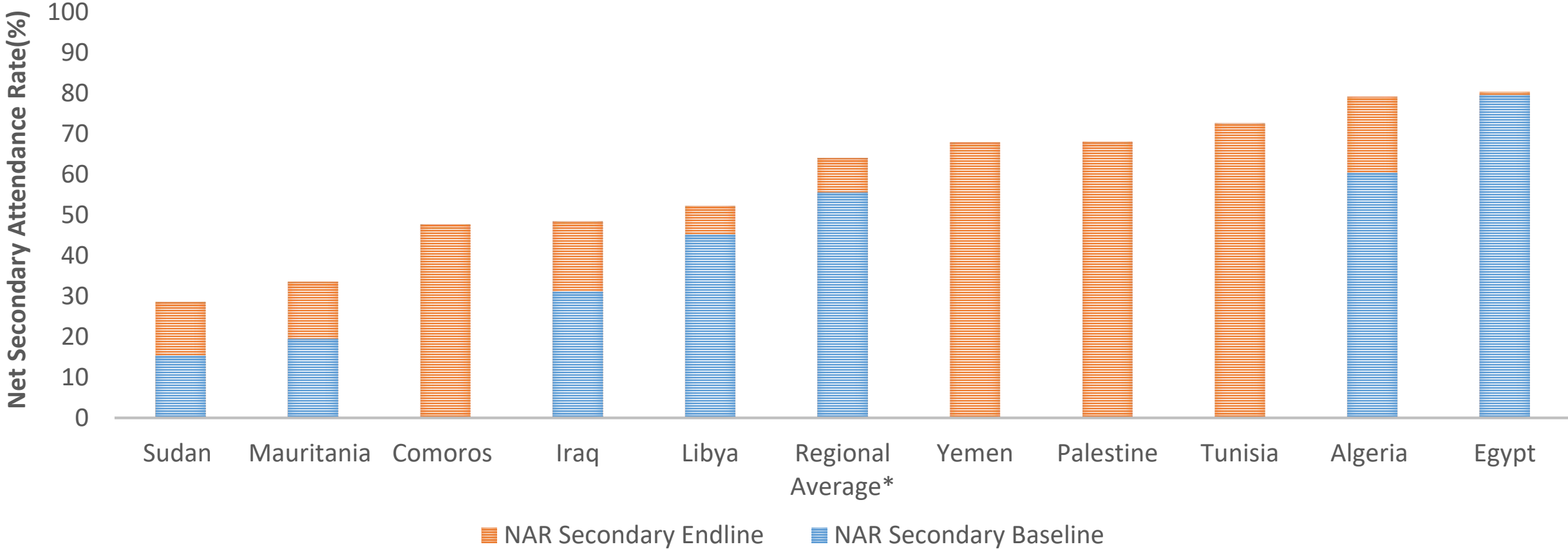
1. Adjusted Net Primary Attendance Rate, levels and trends



**Significant improvements across the Arab countries.
Algeria, Tunisia and Palestine almost attained universal primary enrollment.**

III. Results: Assessing national progress

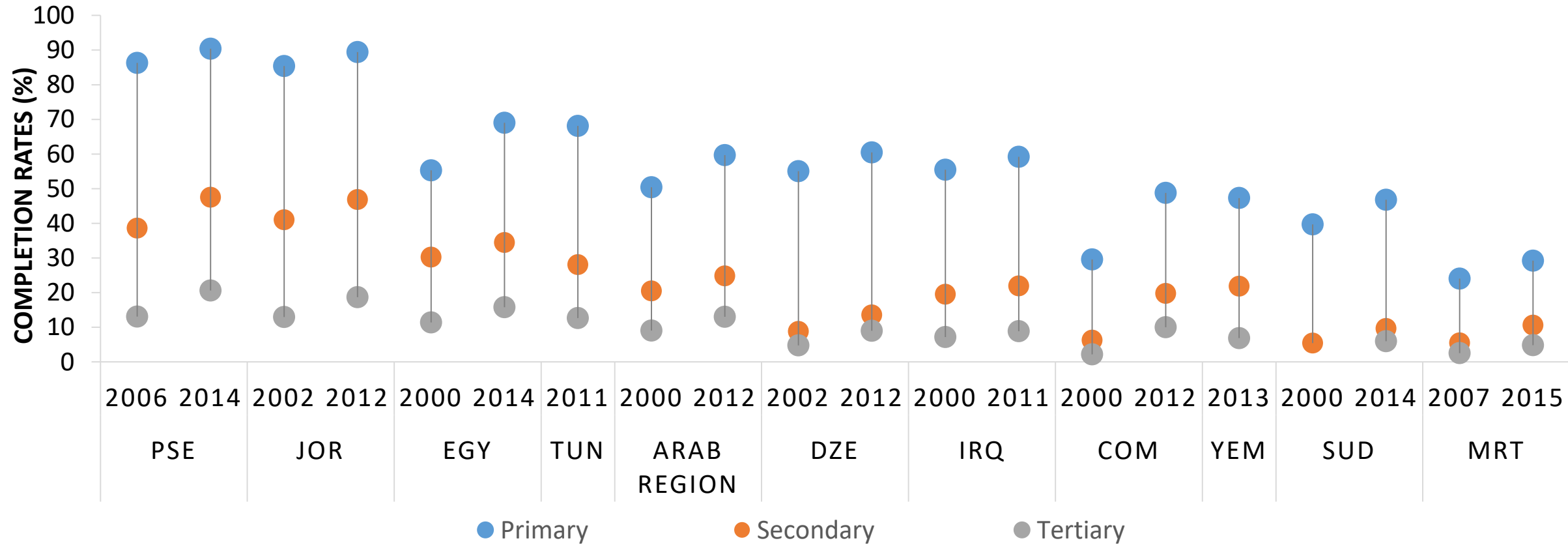
2. Adjusted Net Secondary Attendance Rate, levels and trends



Appreciable improvements across the Arab countries, esp. Sudan and Mauritania. Enrollment rates are much lower than those of primary.

III. Results: Assessing national progress

3. Completion rates, levels and trends (Adult Population)

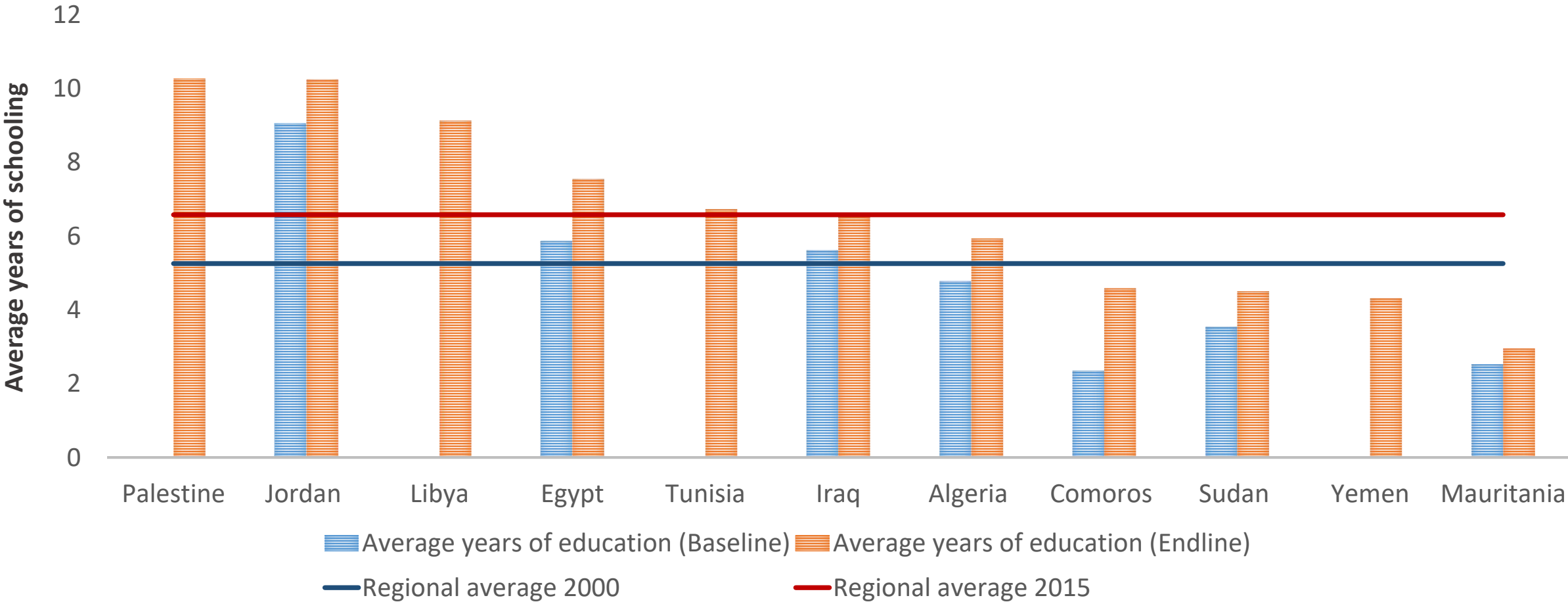


*Countries are arranged in descending order based on primary completion rate in most recent year.

Highest progress and highest current rates are marked at primary level and drastically reduced at upper education, particularly the tertiary level.

III. Results: Assessing national progress

4. Average years of education (for population age 25+)



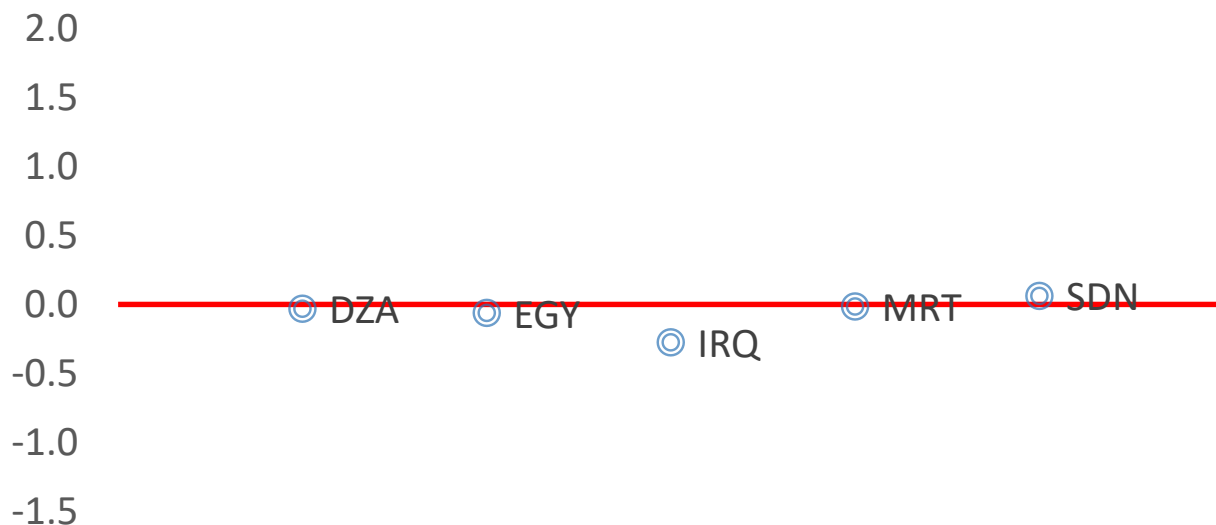
**Upward trend in average years of education is uniform across all countries.
Average years of schooling does not exceed 6 years in the majority of countries.**

III. Results: Assessing inequalities

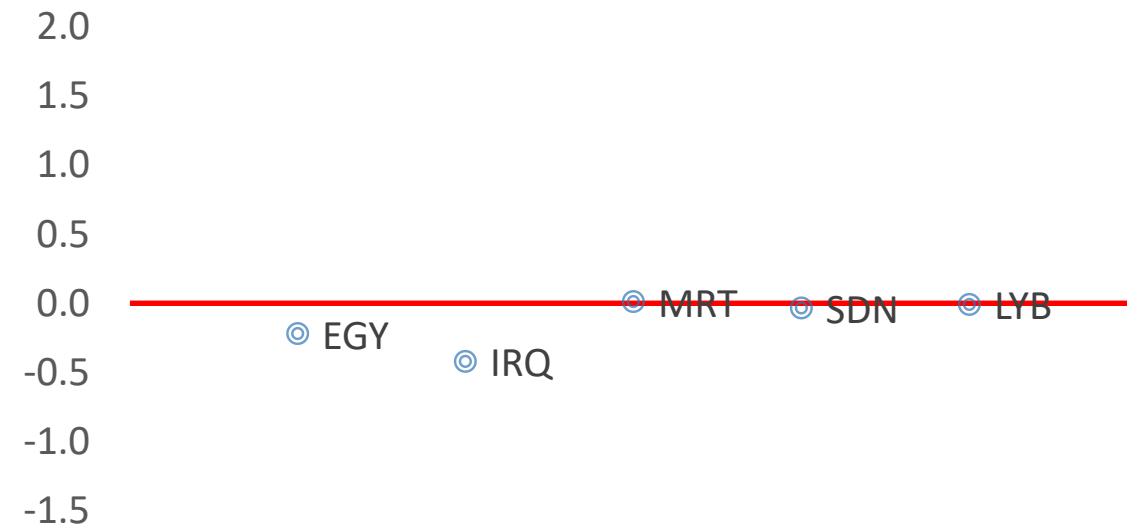
- Education is an achievement.
- We analyze the change in the following ratios over time:
 - Urban/Rural
 - Richest/poorest quintiles
 - Educated / Uneducated head of household
 - Most privileged/Most deprived groups

1. Adjusted-Net Primary attendance rate : Assessing Inequality changes

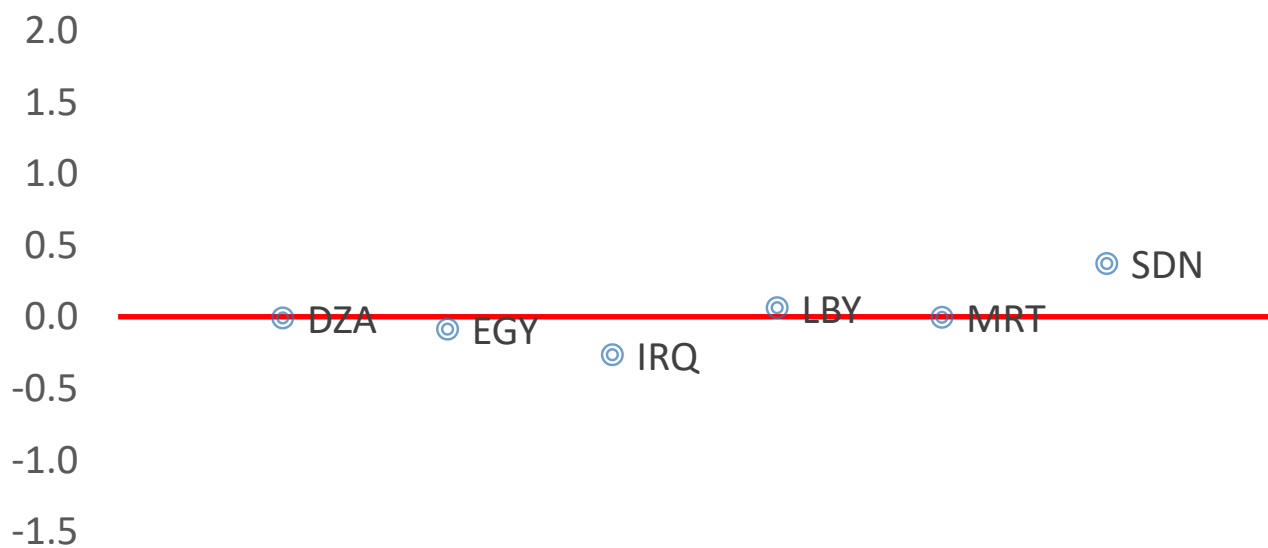
Urban vs Rural



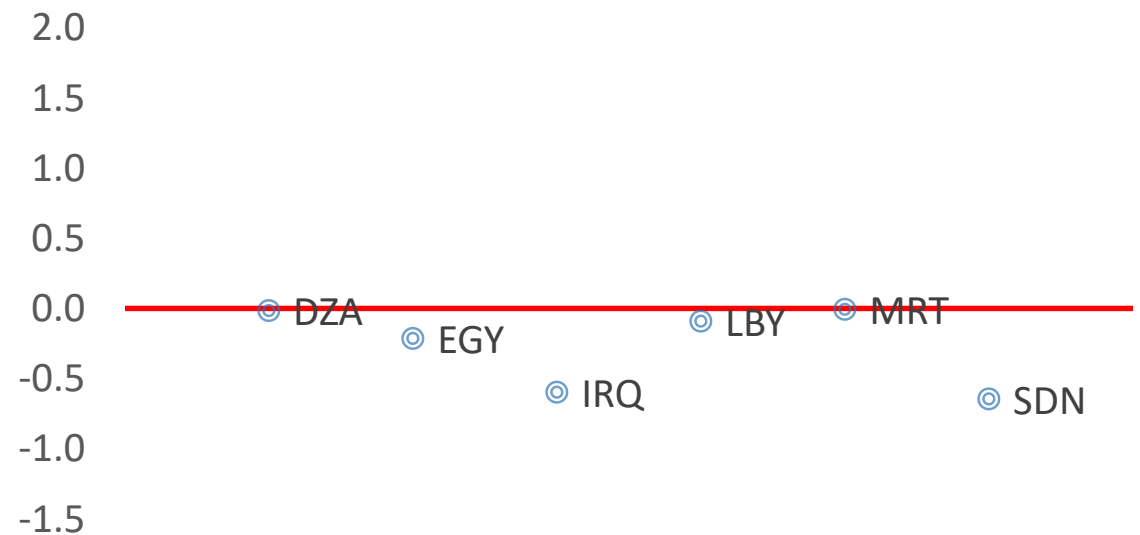
Wealth (Richest to Poorest)



Head of Household Education

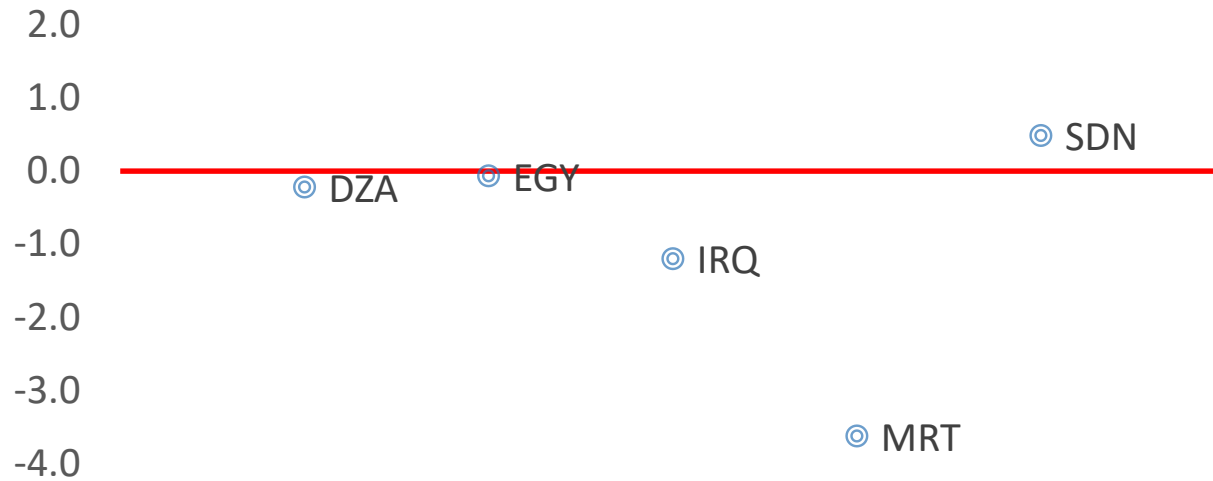


Extreme groups

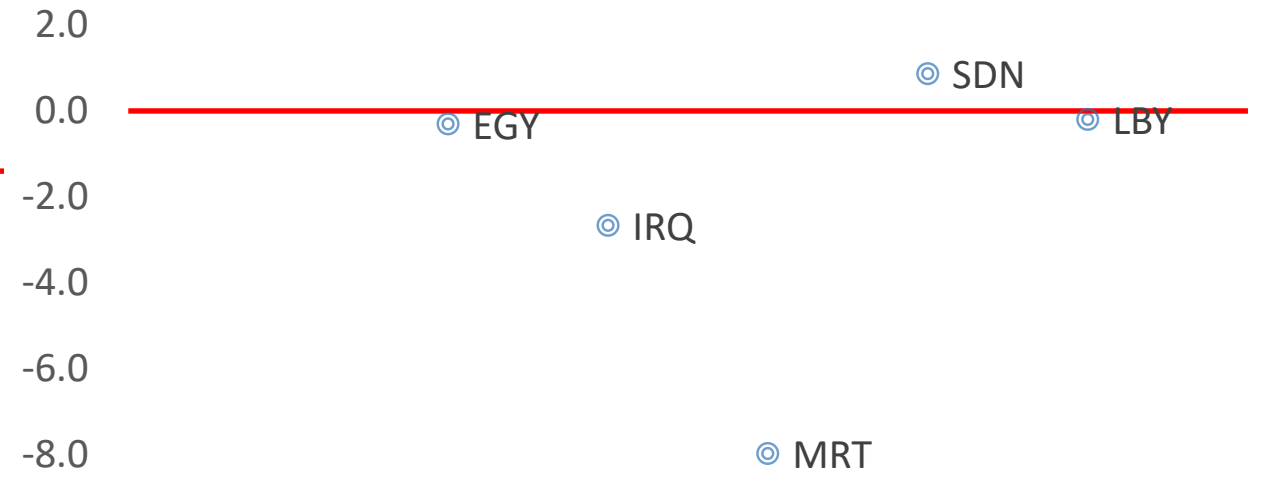


2. Adjusted-Net Secondary attendance rate : Assessing Inequality changes

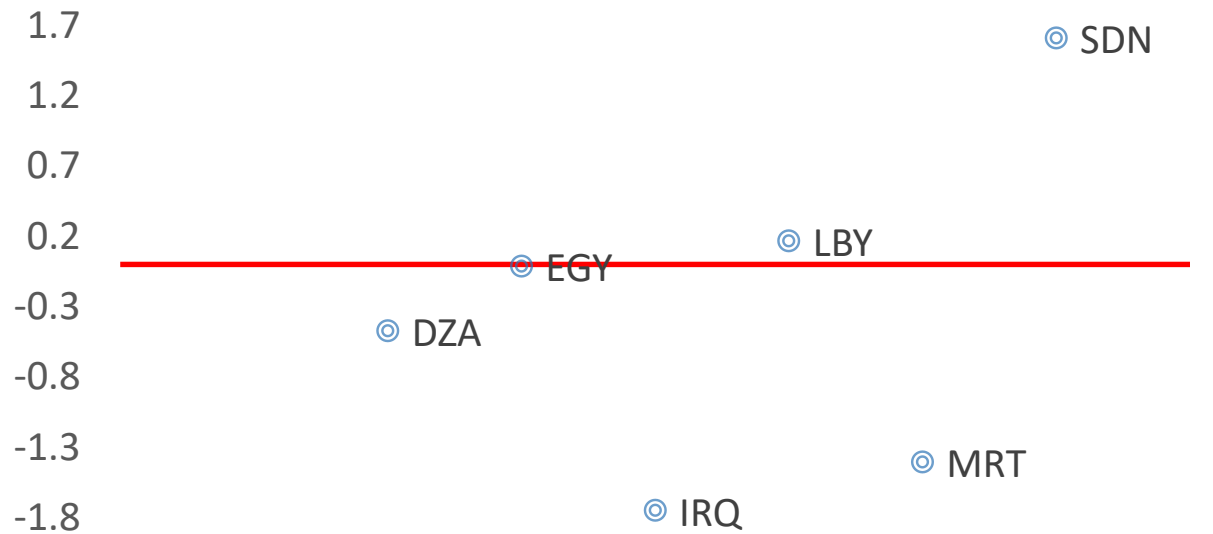
Urban vs Rural



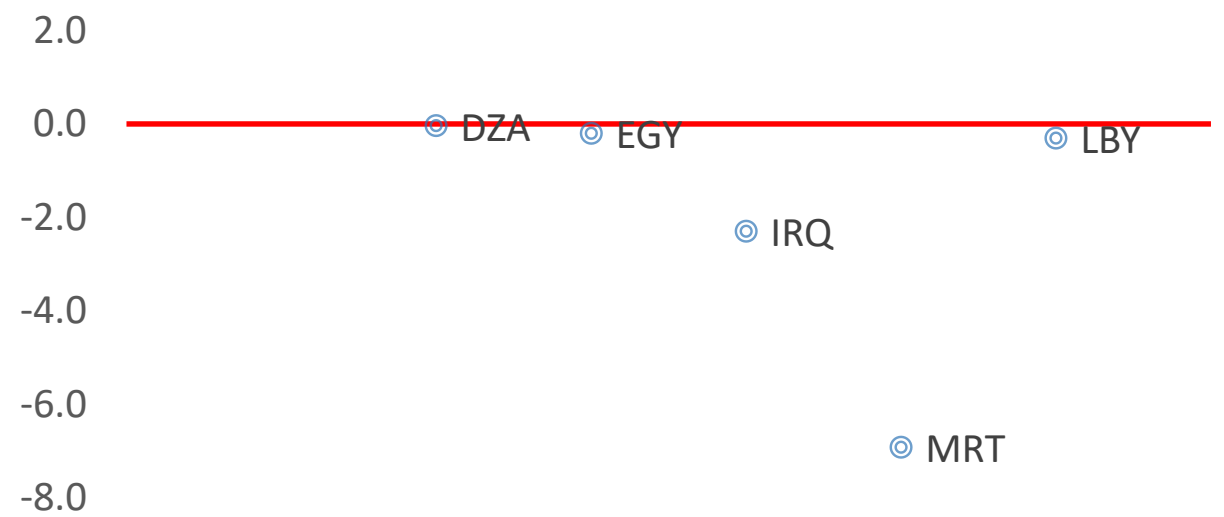
Wealth (Richest to Poorest)



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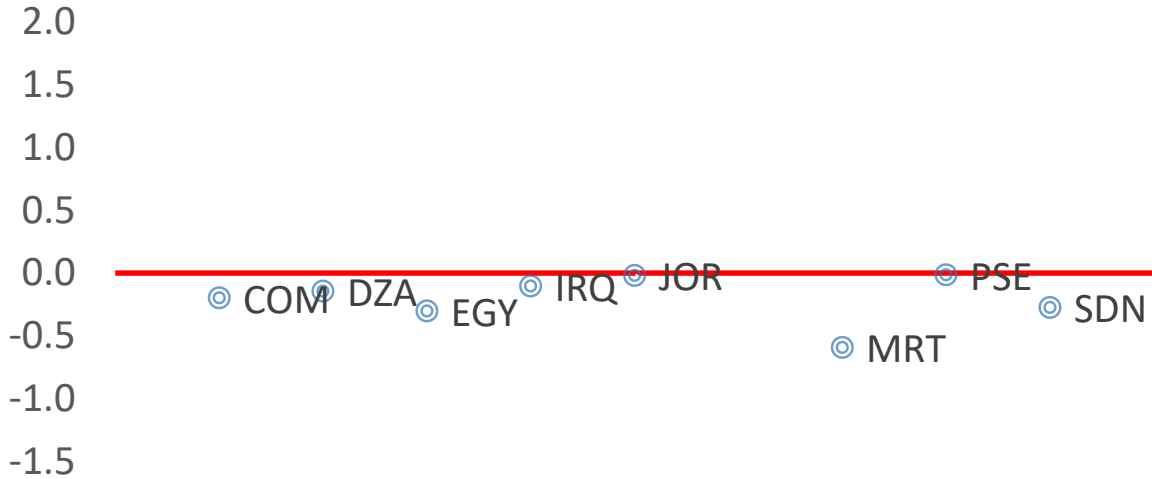


Extreme groups

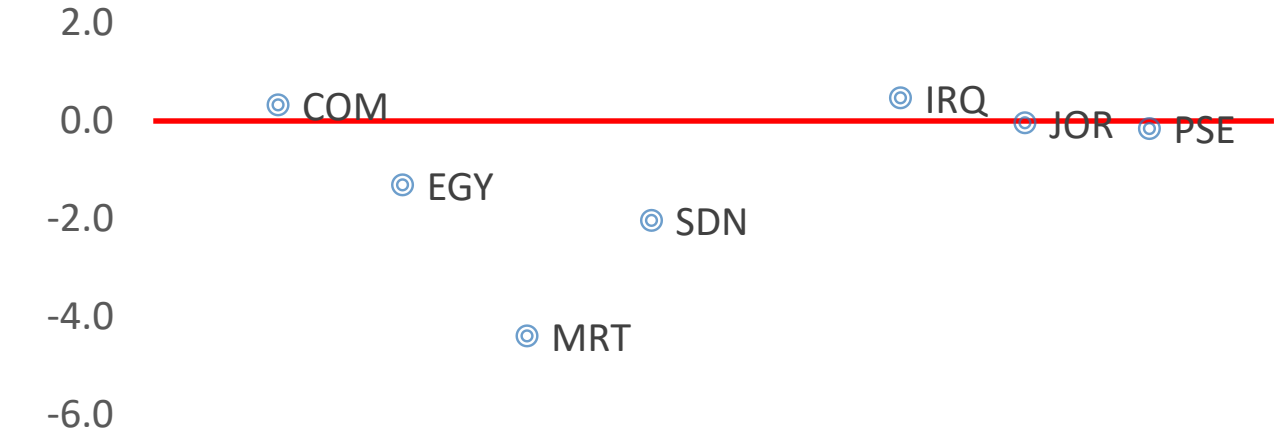


3. Primary completion rates: Assessing Inequality changes

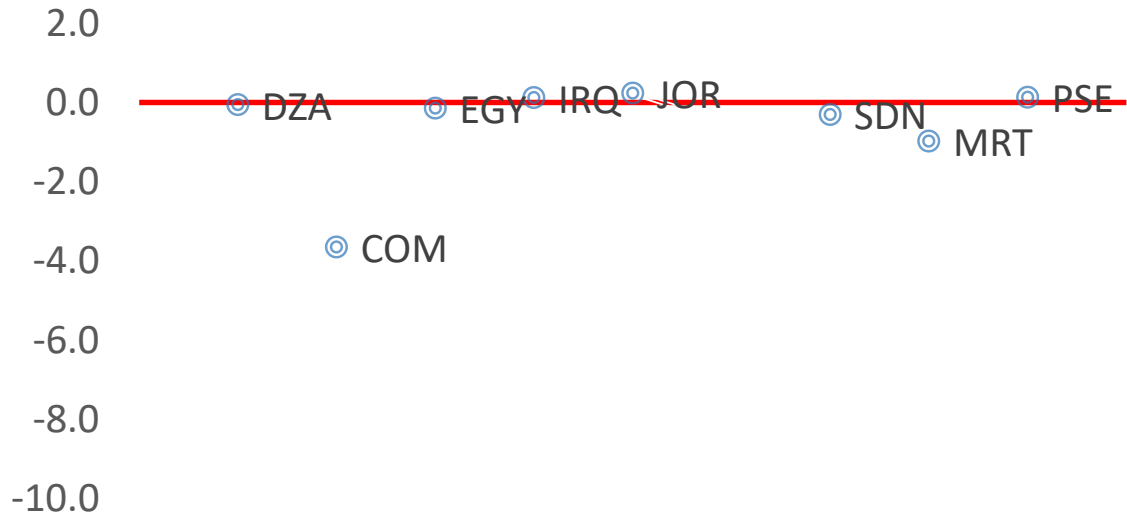
Urban vs Rural



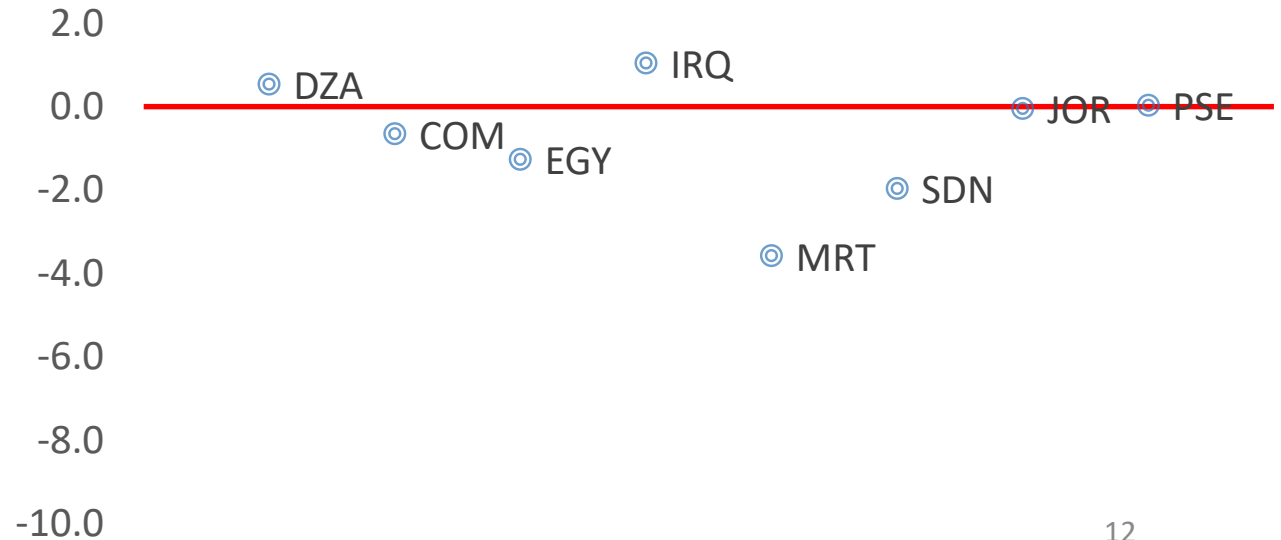
Wealth (Richest to Poorest)



Head of Household Education

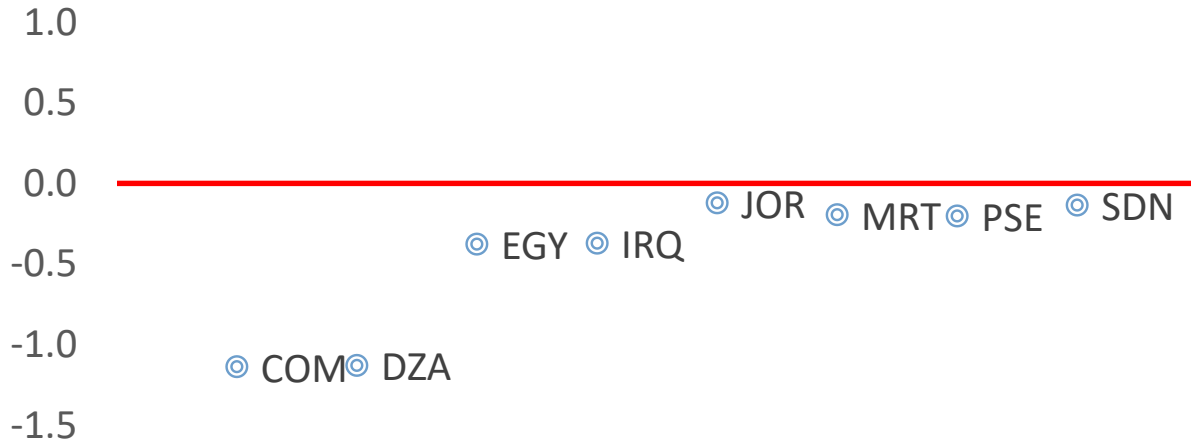


Extreme groups

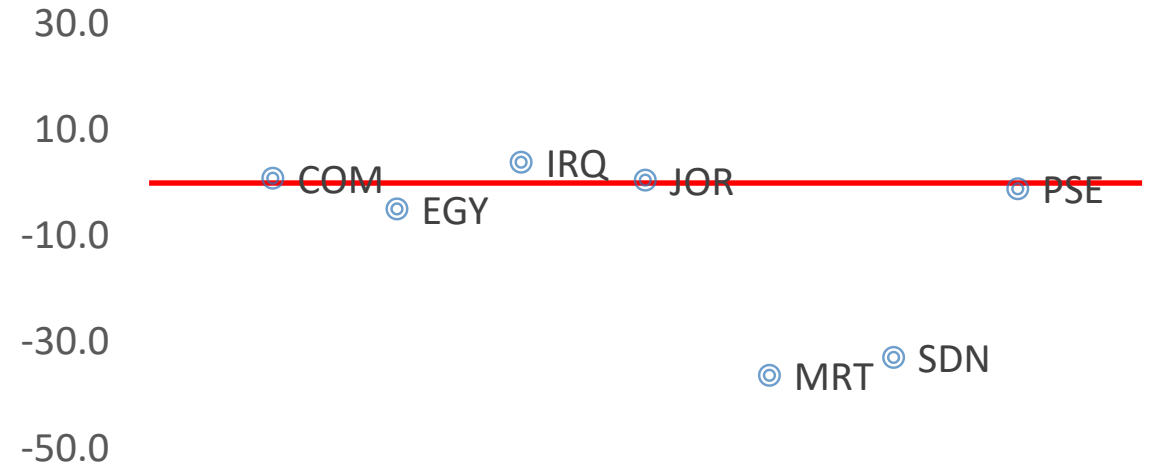


4. Secondary completion rates: Assessing Inequality changes

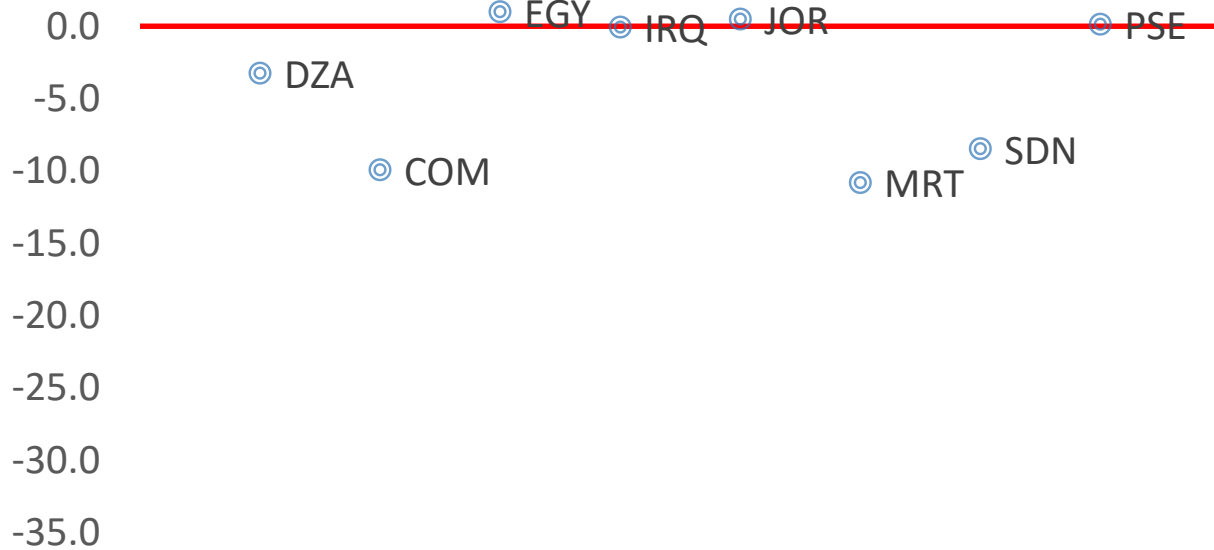
Urban vs Rural



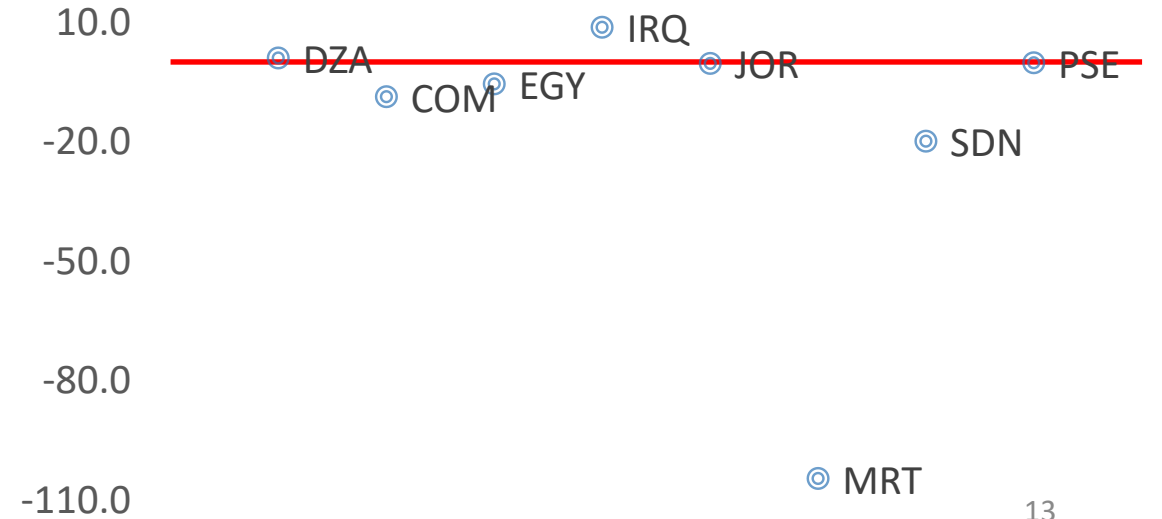
Wealth (Richest to Poorest)



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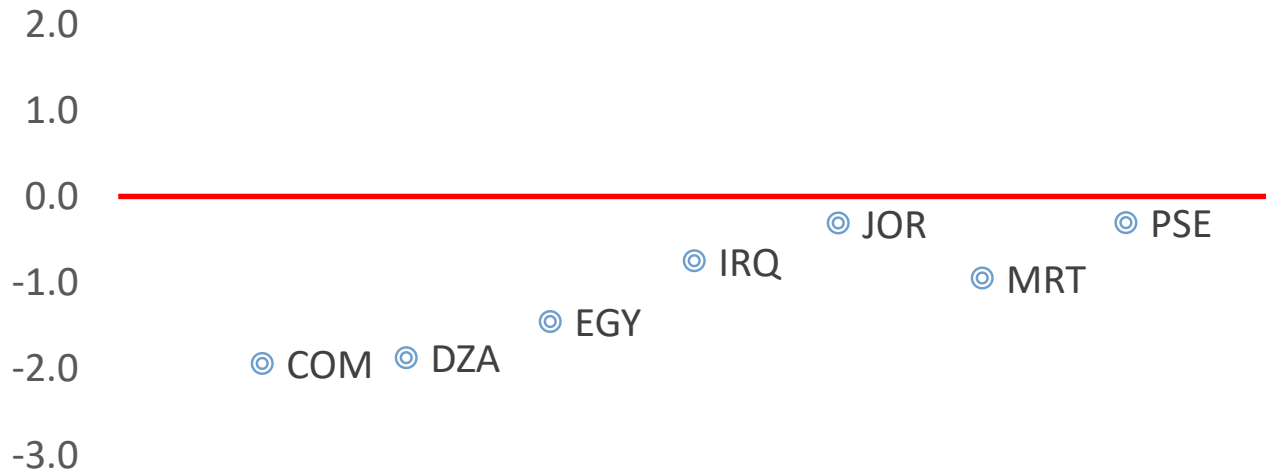


Extreme groups

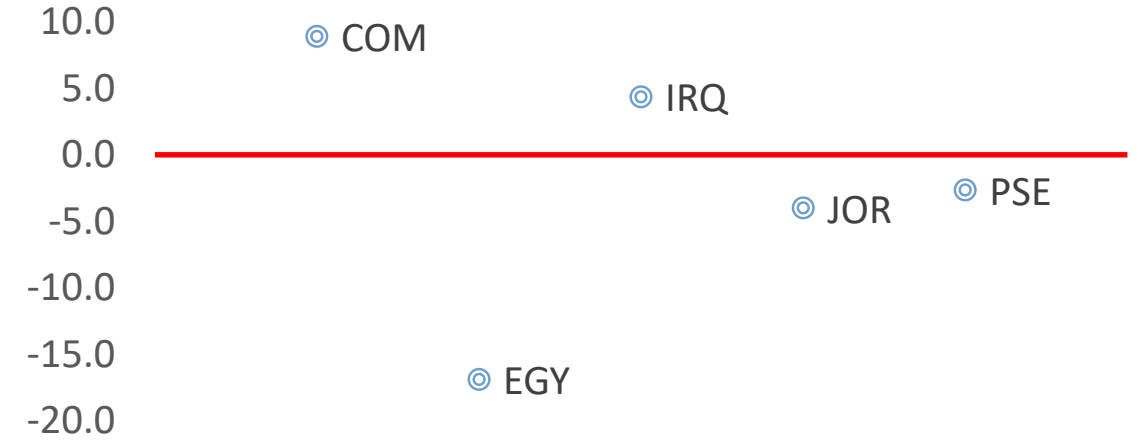


5. Tertiary completion rates: Assessing Inequality changes

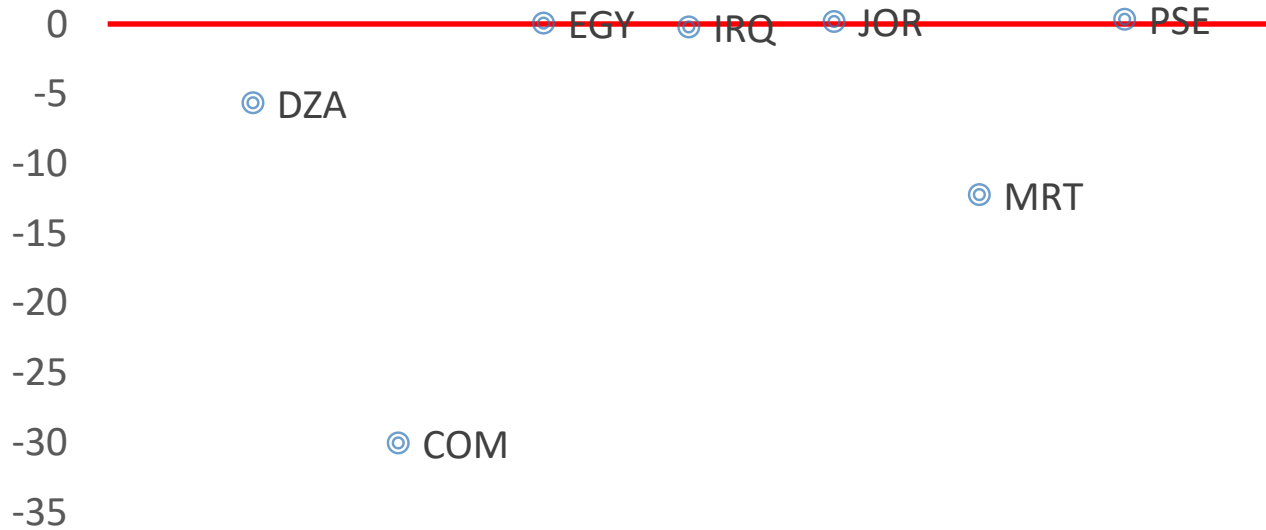
Urban vs Rural



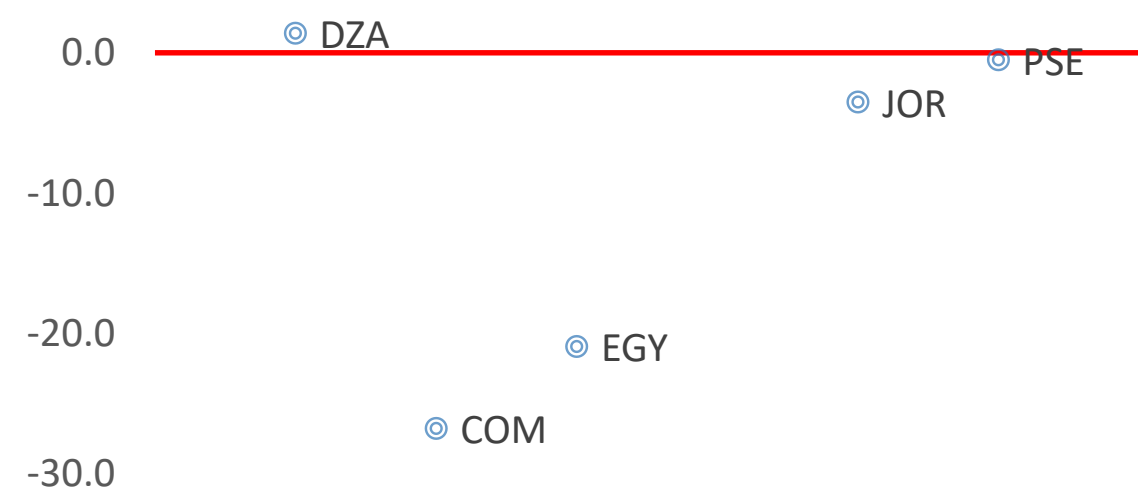
Wealth (Richest to Poorest)



Head of Household Education

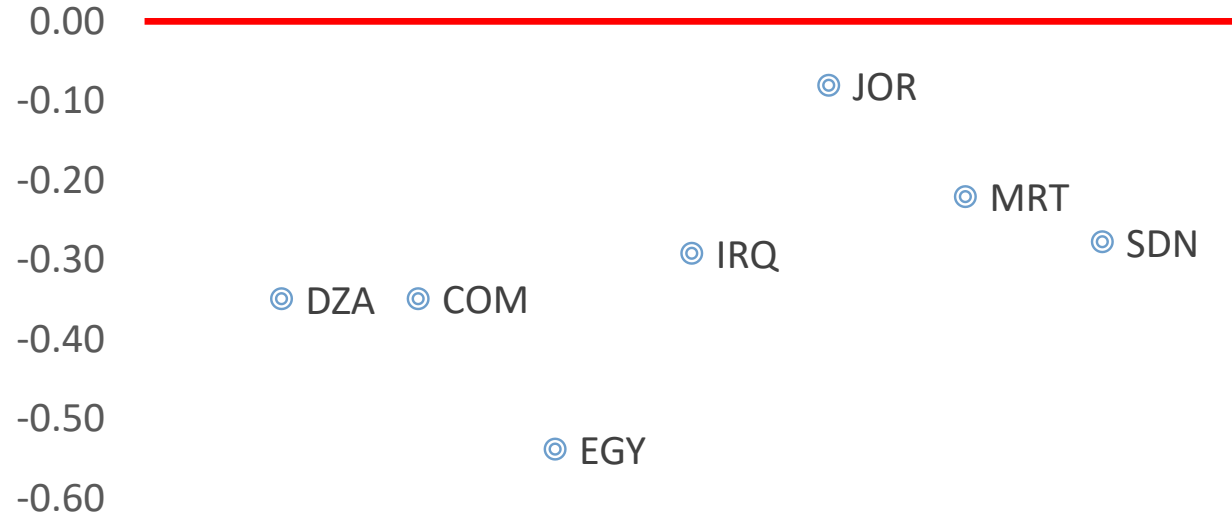


Extreme groups

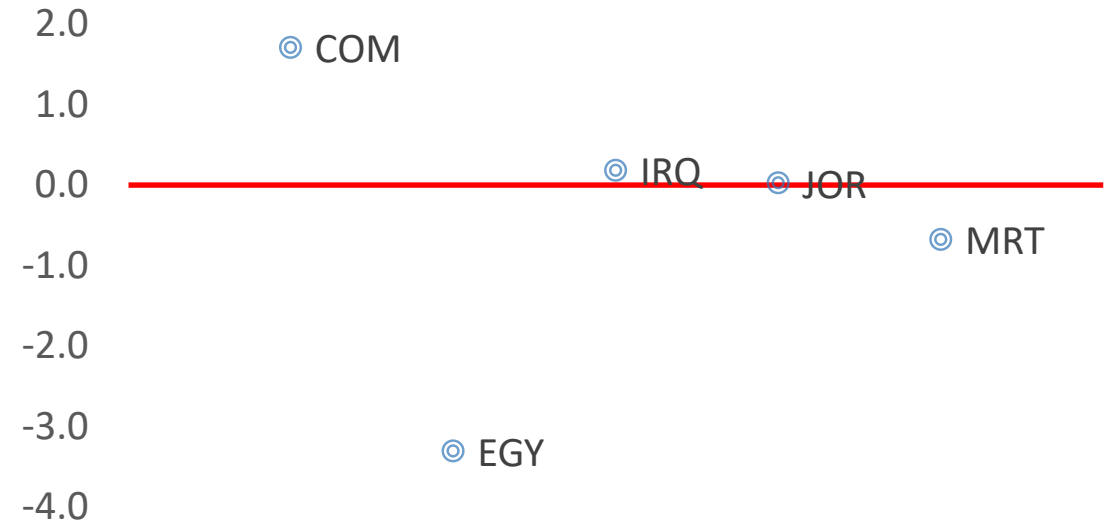


7. Average years of education (for population age 25+)

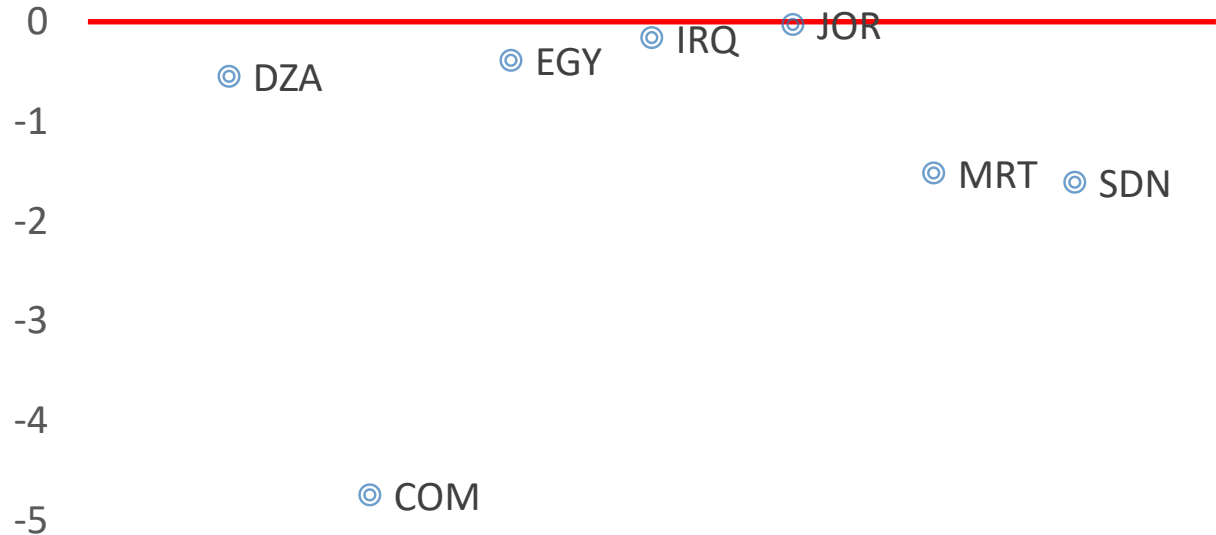
Urban vs Rural



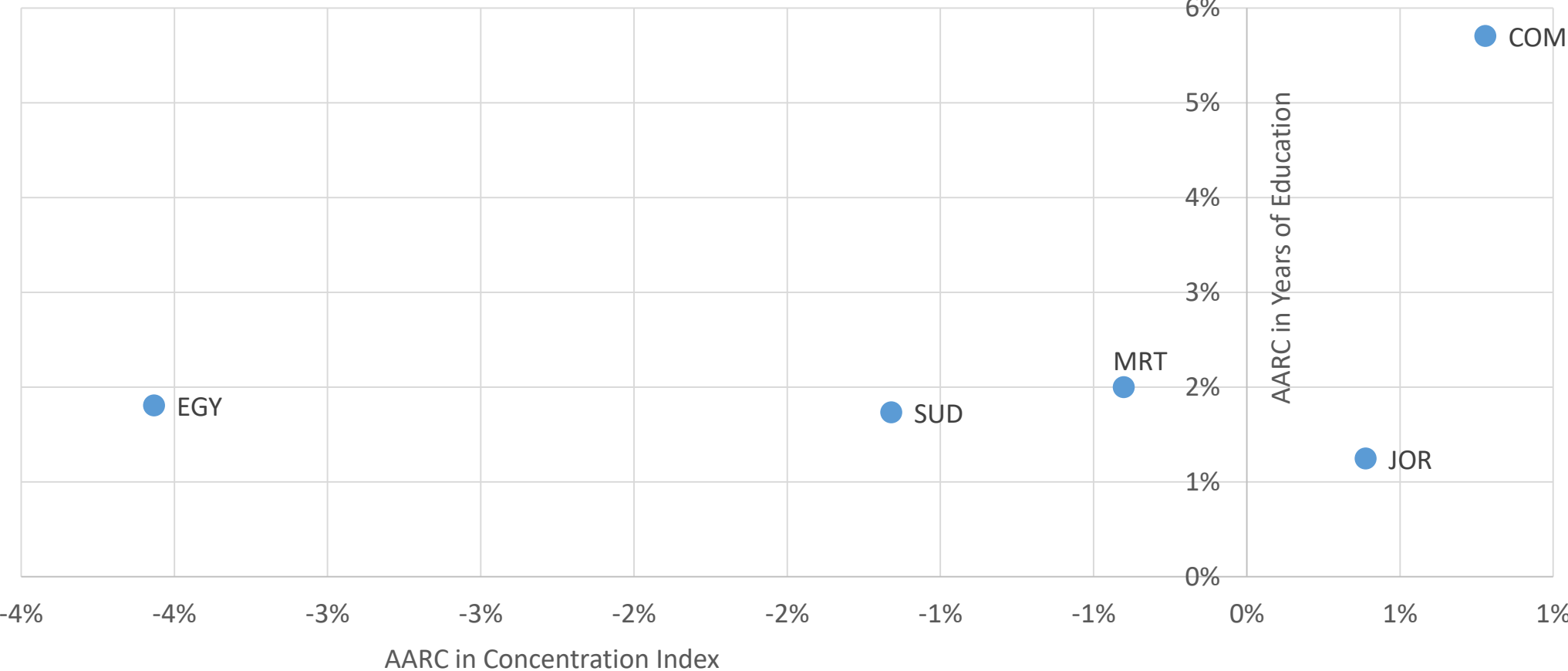
Wealth (Richest to Poorest)



Head of Household Education



Concentration Curve Analysis : Average years of education(for population age 25+)



← Less inequality

IV. Conclusion

- Inequality was predominately reduced at the primary level.
- Inequality was stagnating, and at several instances, reinforced at higher educational levels , particularly tertiary cycle, as the progress failed to adequately reach the vulnerable subgroups.



Thank you !

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Beirut, February 2019