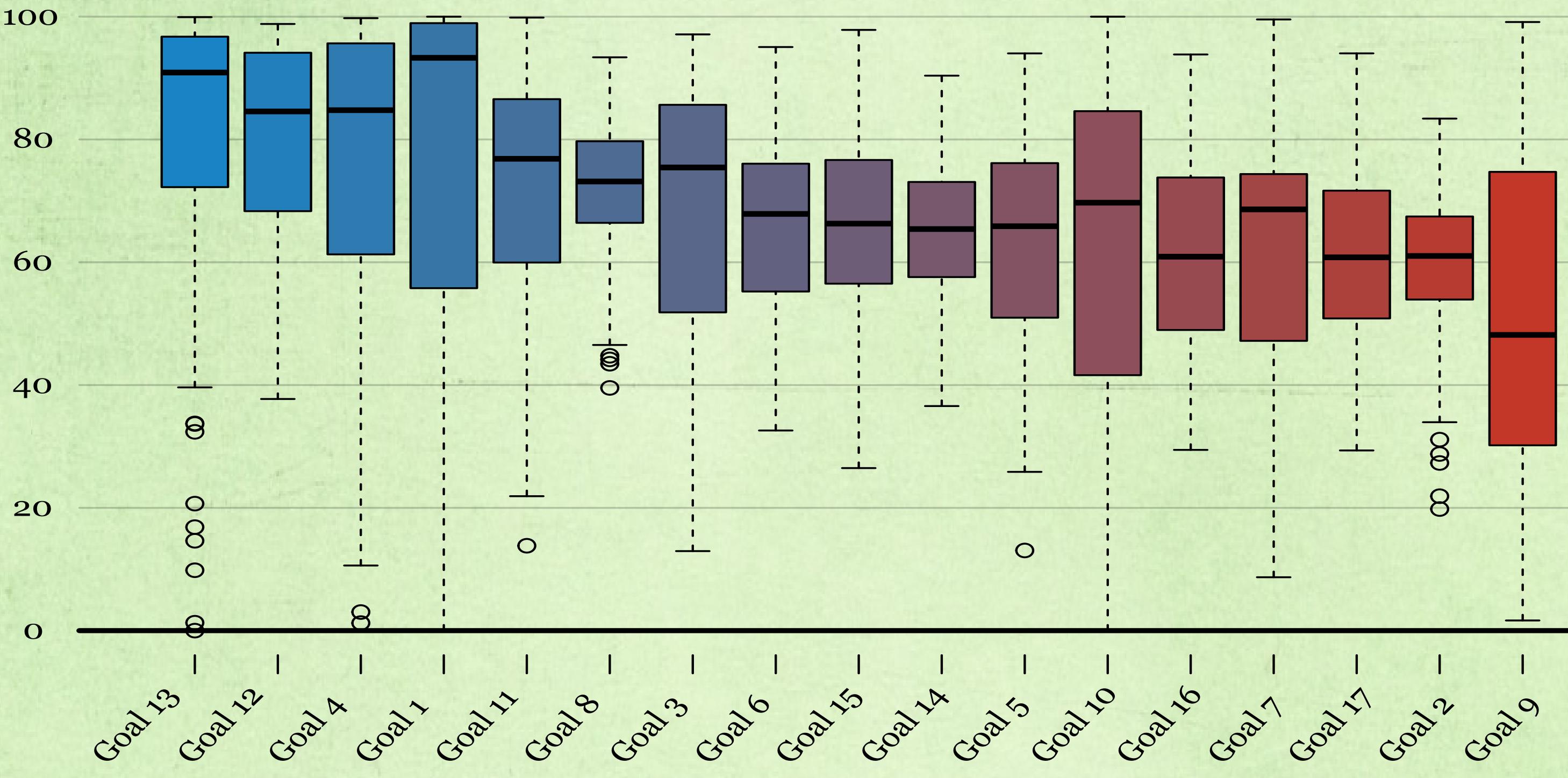


GLOBAL SUSTAINABLE DEVELOPMENT PROGRESS 2023 | Rajat Chelani | IST-719

Delve into the world of global sustainability through the lens of Sustainable Development Goal (SDG) scores from 160+ countries. Unearth patterns and practices that define our collective journey toward a sustainable future. This data is a compass for a broad audience—policy makers, researchers, and advocates—providing valuable insights into each country's contribution to the SDGs. Understanding these nuances is pivotal for steering effective strategies and fostering positive change. The dataset comprises 166 rows and 21 columns, capturing key sustainability metrics for countries across globe. Each row represents a country, with columns detailing country codes, names, regions, and specific Sustainable Development Goal (SDG) scores. Subsequent to meticulous subsetting, cleaning to address missing values, and relevant aggregations, the data stands as a comprehensive reflection of global sustainability efforts.

What key sustainability goals are on the verge of complete achievement across countries, and in which areas are challenges prevalent? Additionally, does regional performance indicate a notable variation in overall sustainability success? Unraveling this tapestry unveils the holistic nature of sustainable development, guiding precise interventions for a more impactful global influence.

Goal 1	No Poverty
Goal 2	Zero Hunger
Goal 3	Good Health and Wellbeing
Goal 4	Quality Education
Goal 5	Gender Equality
Goal 6	Clean Water and Sanitation
Goal 7	Affordable and Clean Energy
Goal 8	Decent Work and Economic Growth
Goal 9	Industry, Innovation and Infrastructure
Goal 10	Reduced Inequalities
Goal 11	Sustainable Cities and Communities
Goal 12	Responsible Consumption and Production
Goal 13	Climate Action
Goal 14	Life Below Water
Goal 15	Life on Land
Goal 16	Peace, Justice and Strong Institutions
Goal 17	Partnerships for the Goals



Top 3 Goals:

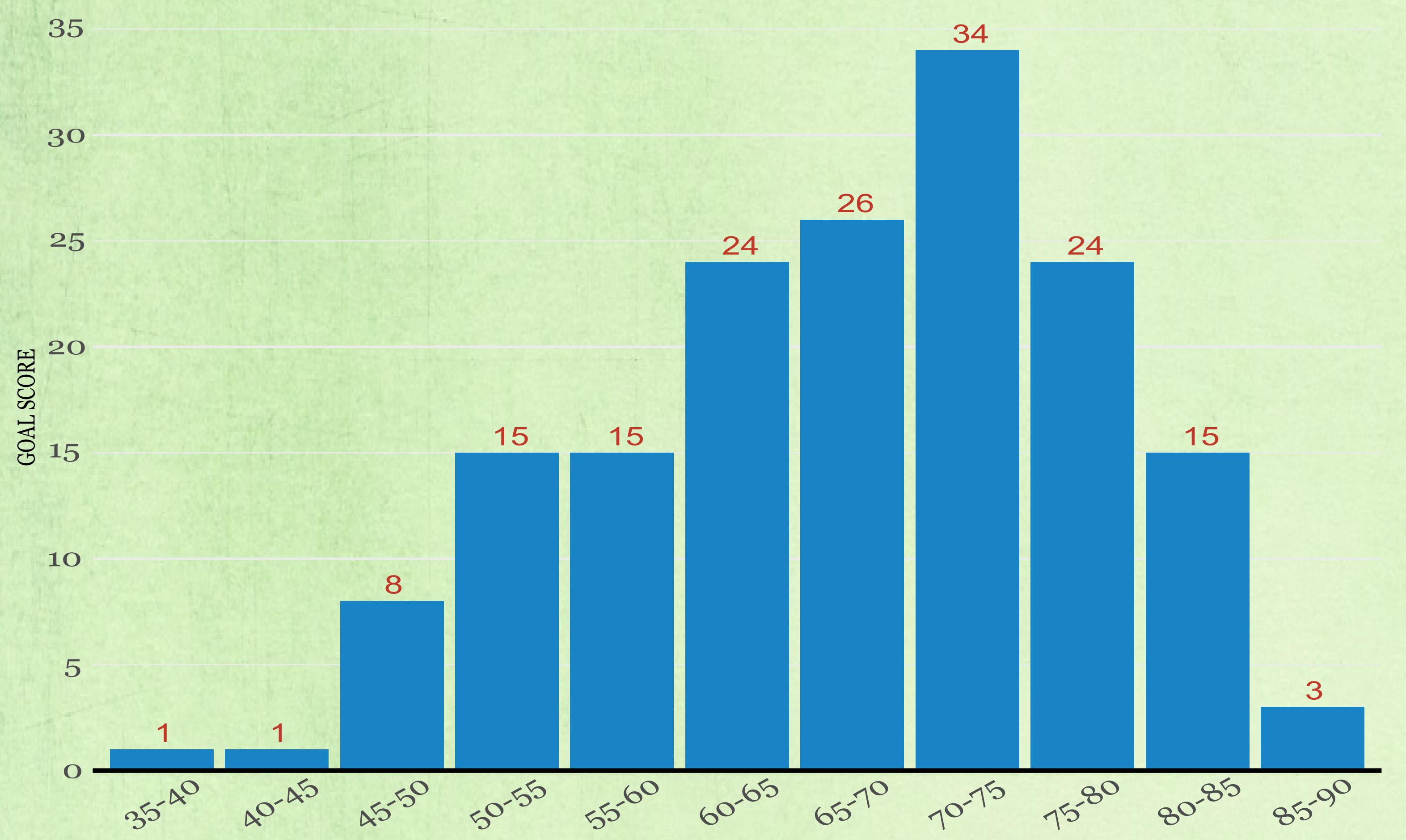
- Climate Action (Avg. Score: 82.12)
 - Responsible Consumption and Production (Avg. Score: 79.78)
 - Quality Education (Avg. Score: 76.51)
- These goals take precedence, reflecting a global focus on climate action, responsible consumption, and quality education.

Challenges in Focus:

- Industry, Innovation, and Infrastructure (Avg. Score: 51.60)
 - Zero Hunger (Avg. Score: 59.80)
 - Partnerships for the Goals (Avg. Score: 60.95)
- Addressing challenges in industry, hunger, and global partnerships becomes crucial for global sustainability.

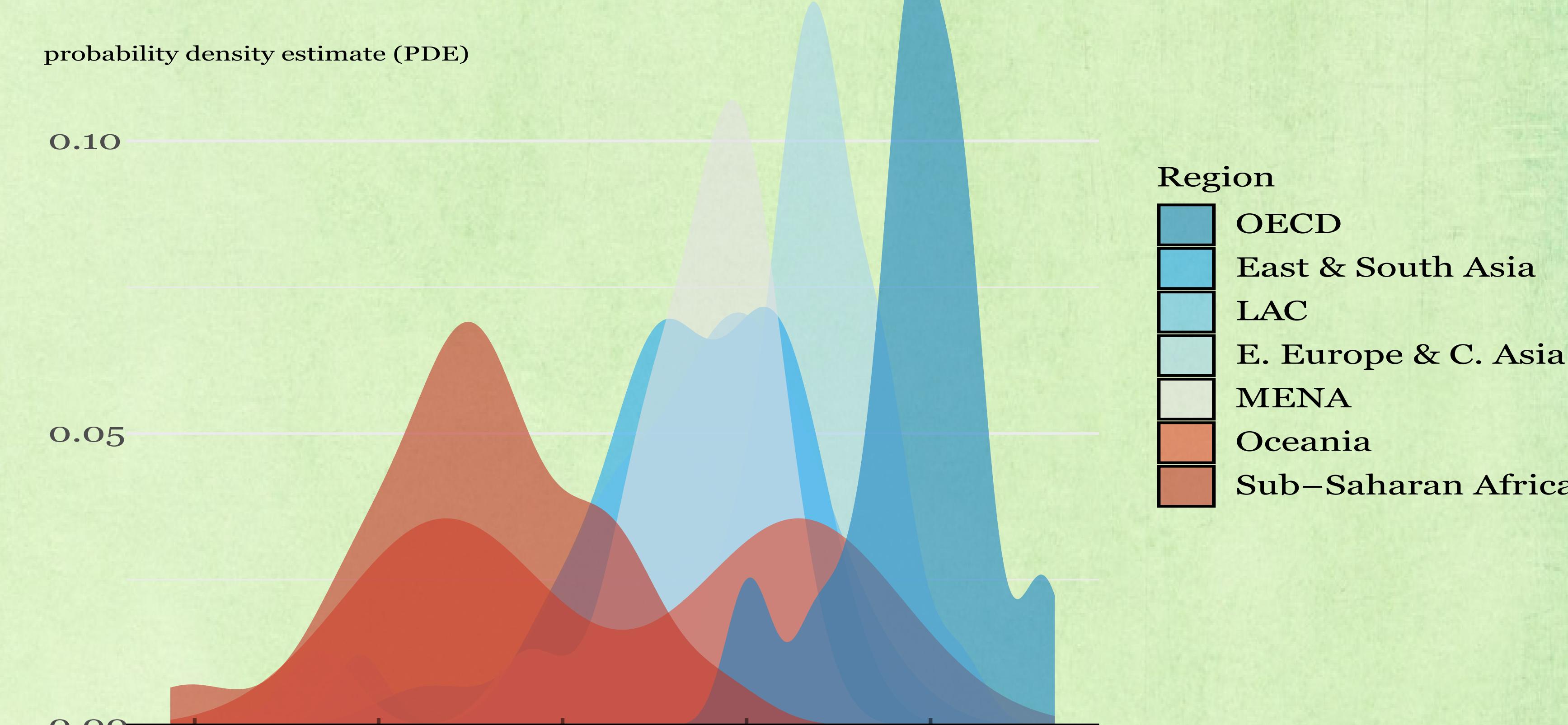
Overall Sustainability Score Distribution

The histogram illustrates the distribution of overall sustainability scores, portraying the diverse landscapes of countries' commitment to sustainable development. Explore how nations cluster in different score ranges, reflecting the intricacies of their sustainable practices.



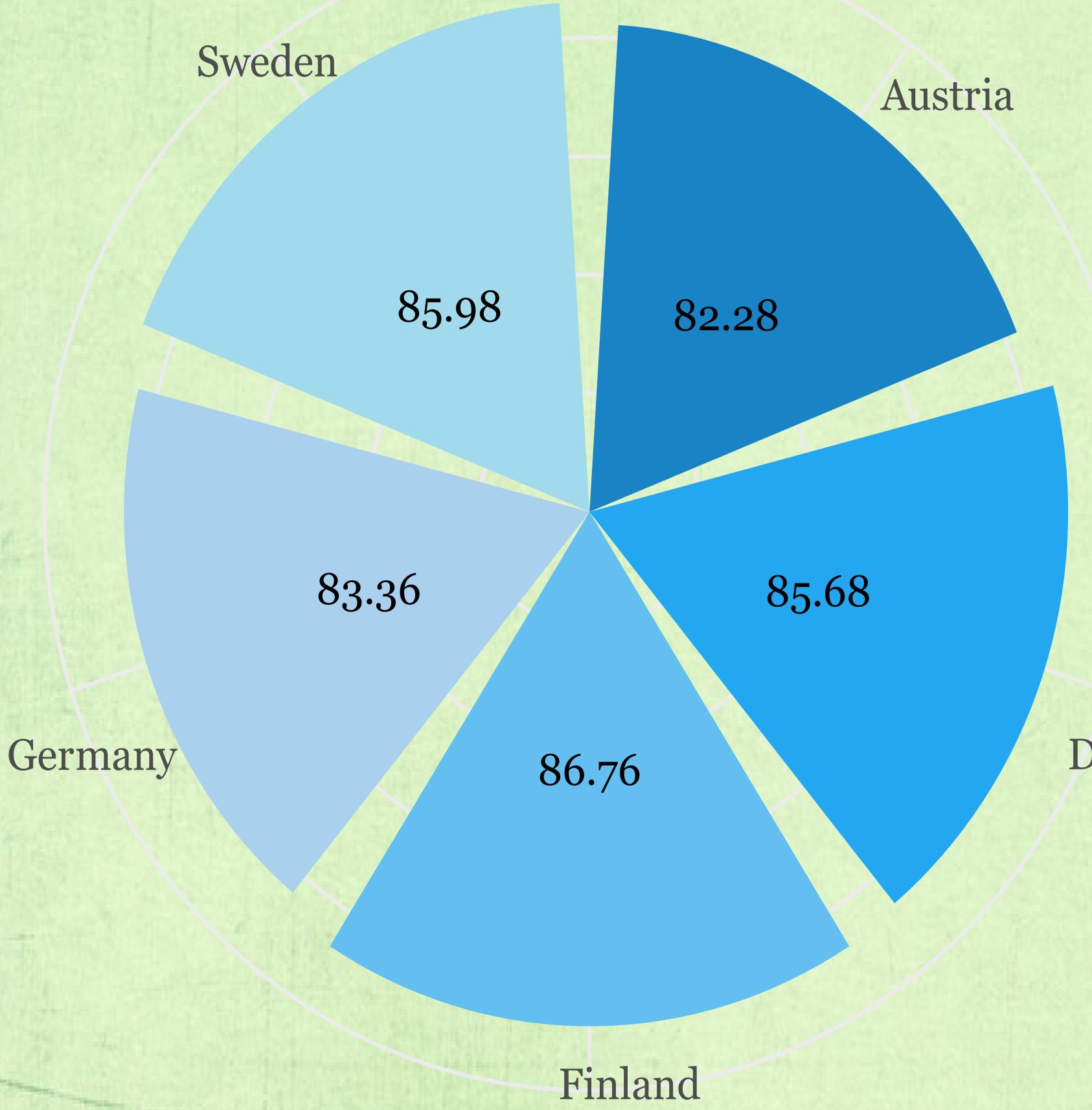
Overall Sustainability Score Across Regions

The density plot provides a regional perspective on sustainability distribution. We can observe how different regions contribute to the global sustainability tapestry, each with its unique distribution and density of overall scores. Oceania & Sub-Saharan African regions have the least performance in reaching SDG goals with OECD regions performing the best followed by E. European & C. Asian countries.



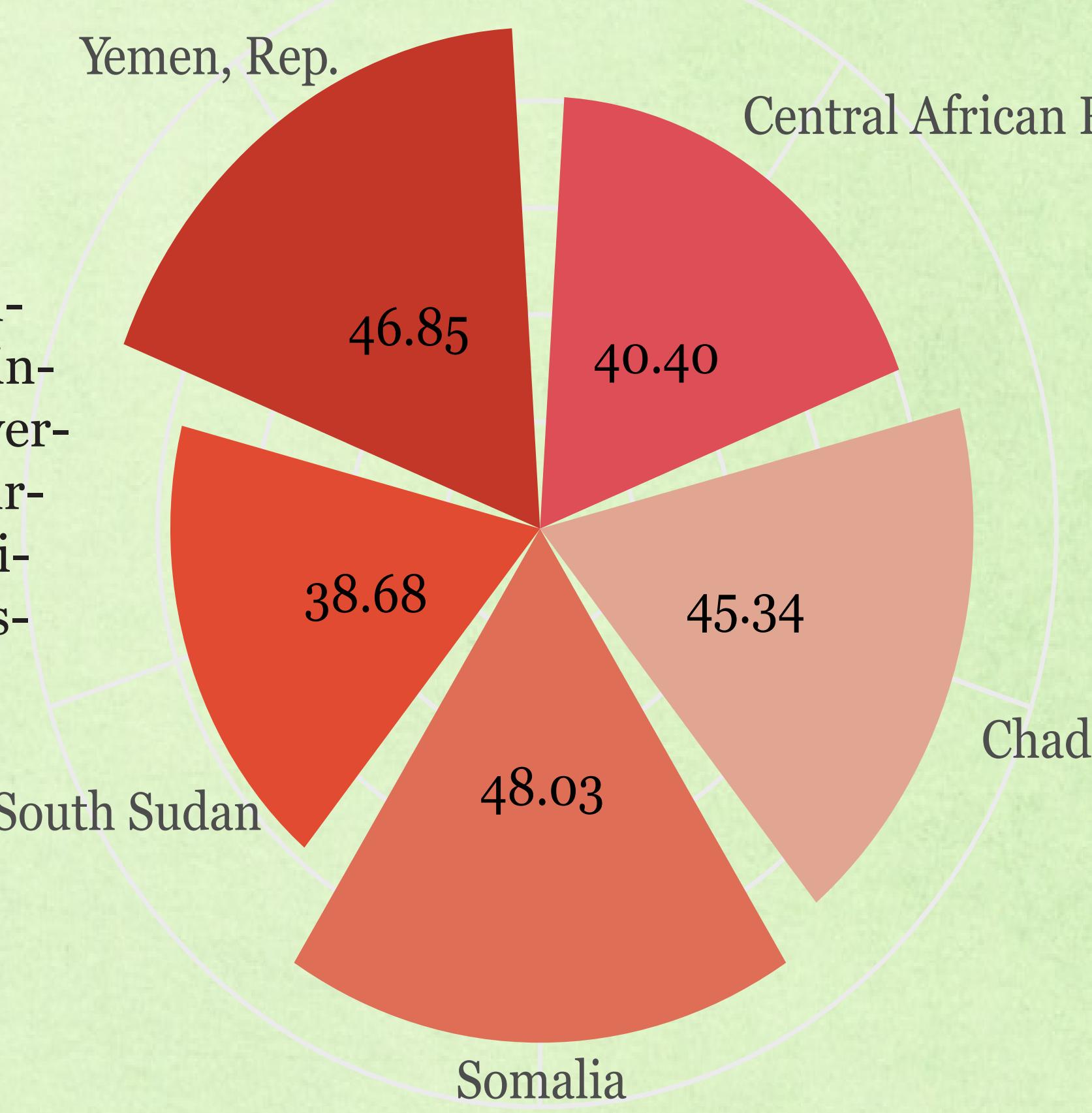
Champions of Social Progress

The Top 5 countries, comprising Finland, Sweden, Denmark, Germany, and Austria, showcase exemplary commitment to sustainable development, with all belonging to the influential OECD region. Their outstanding overall sustainability scores, as depicted in the circular chart, underscore the significant contributions of the OECD in advancing global sustainability goals.

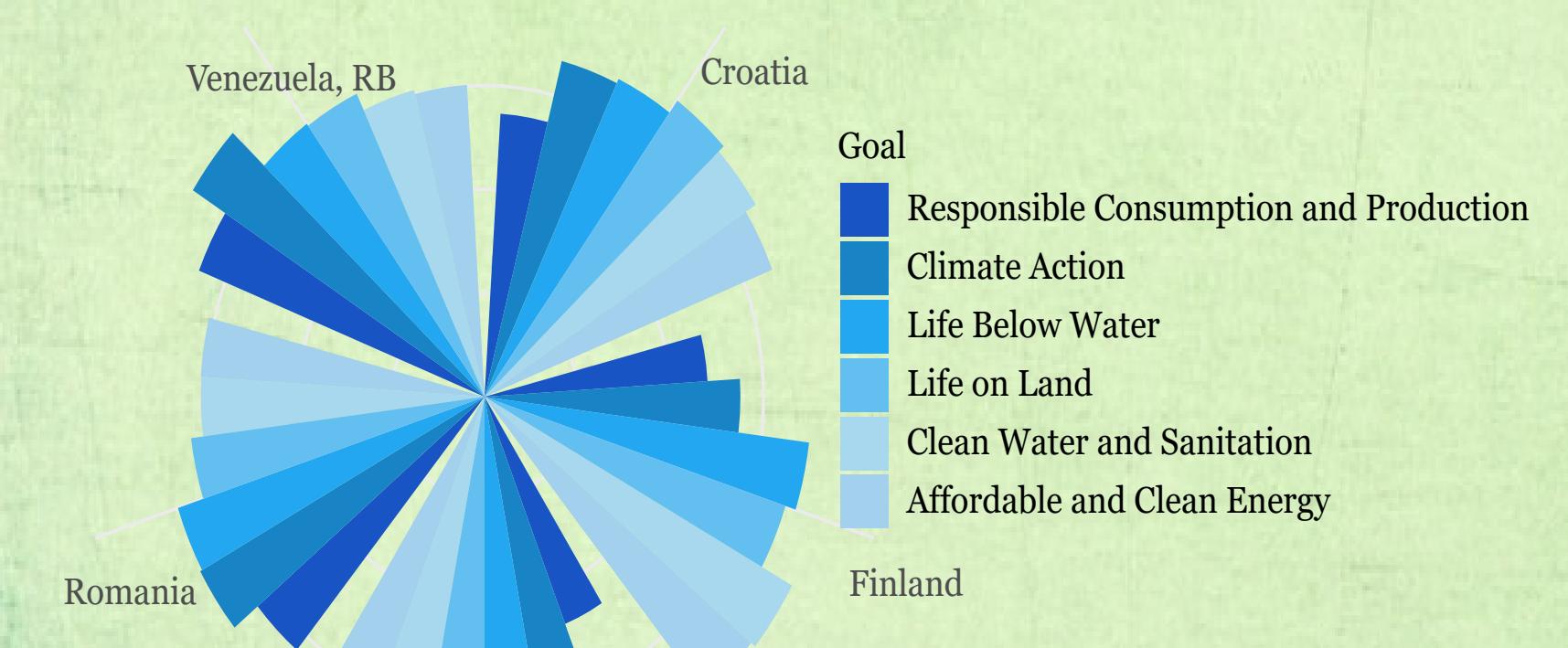


Addressing Social Challenges

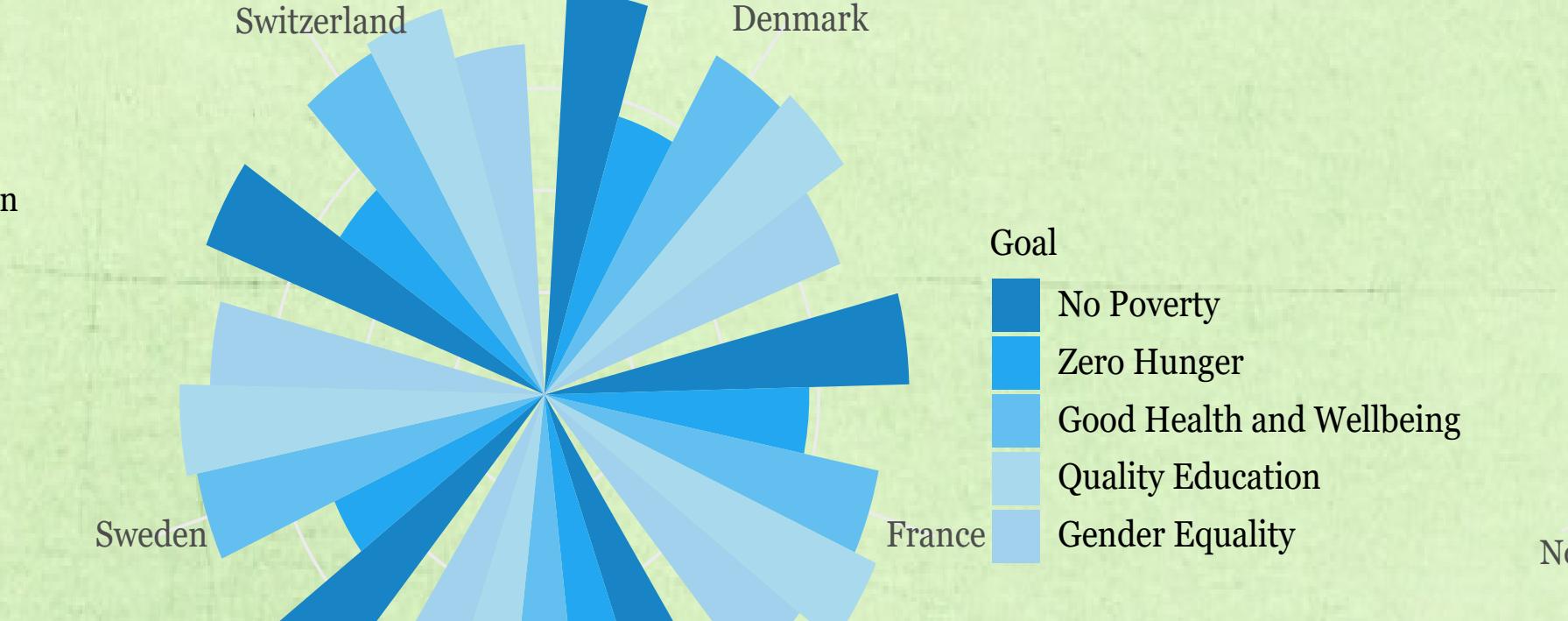
The Bottom 5 countries—South Sudan, Central African Republic, Chad, Yemen, Rep., and Somalia—encounter challenges primarily located in the Sub-Saharan Africa and MENA regions. The circular chart visually highlights regions facing hurdles in achieving sustainable development, emphasizing the importance of targeted interventions and global cooperation for the upliftment of these nations. Understanding regional dynamics is key for formulating effective and region-specific sustainable development strategies.



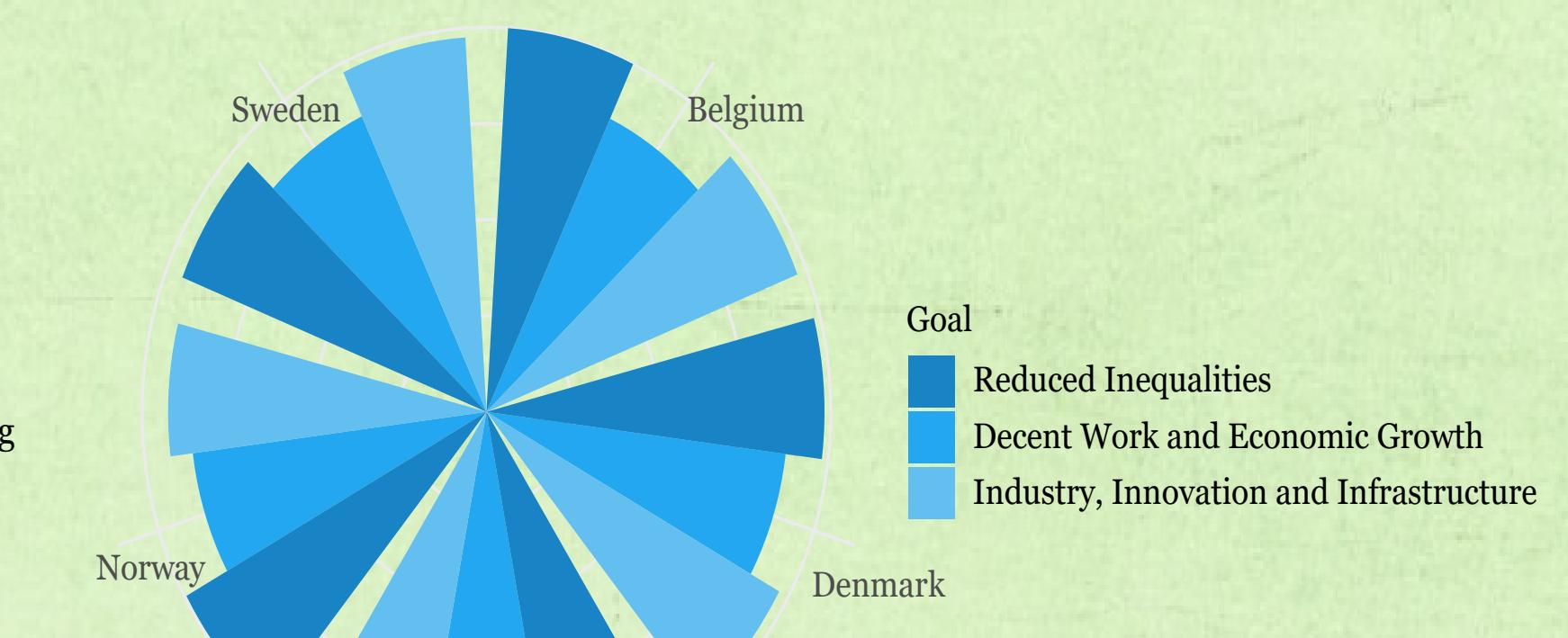
Top & Bottom 5 countries: Environmental Stability



Top & Bottom 5 countries: Social Well-Being



Top & Bottom 5 countries: Economic Growth and equality



Top & Bottom 5 countries: Peace, Justice, Partnerships

