

A photograph of a classroom with several children in the foreground and background, all with their hands raised in the air, indicating active participation or engagement. The children are wearing red shirts. The background shows a typical classroom setting with desks, a clock, and educational posters on the wall.

Visualizing Youth Engagement.

A visualisation framework proposal by team KCL_Koders_



Childhood can be rife with obstacles.

One of the Prince's Trust's objectives is to identify inequality and empower young people to transform their lives.

ONS

6,685

Students dropped out of state
funded schools in 2015/16

Trust for London

9.4%

of 16-24 year olds were
unemployed in 2016
compared to 3.6% of 25-64
year olds.

National Union of Teachers

4.1 m

children living in poverty in
the UK in 2016-17, an
increase of 100,000 on the
previous year.



Problems to Solve

1

Empowering decision makers to make correct and informed decisions, based on data.

3

Enabling stakeholders to have a holistic perspective on the issues at hand.

2

Distinguishing key factors that might impact a child in their development.

4

Modelling the relationship between risk factors and attainment.

We need to investigate the causality between educational risk factors and engagement of the child post-education.

Challenge 2: Education and Employment

Group A: Challenges for 11-16 year olds not predicted 5 GCSEs, A* - C.

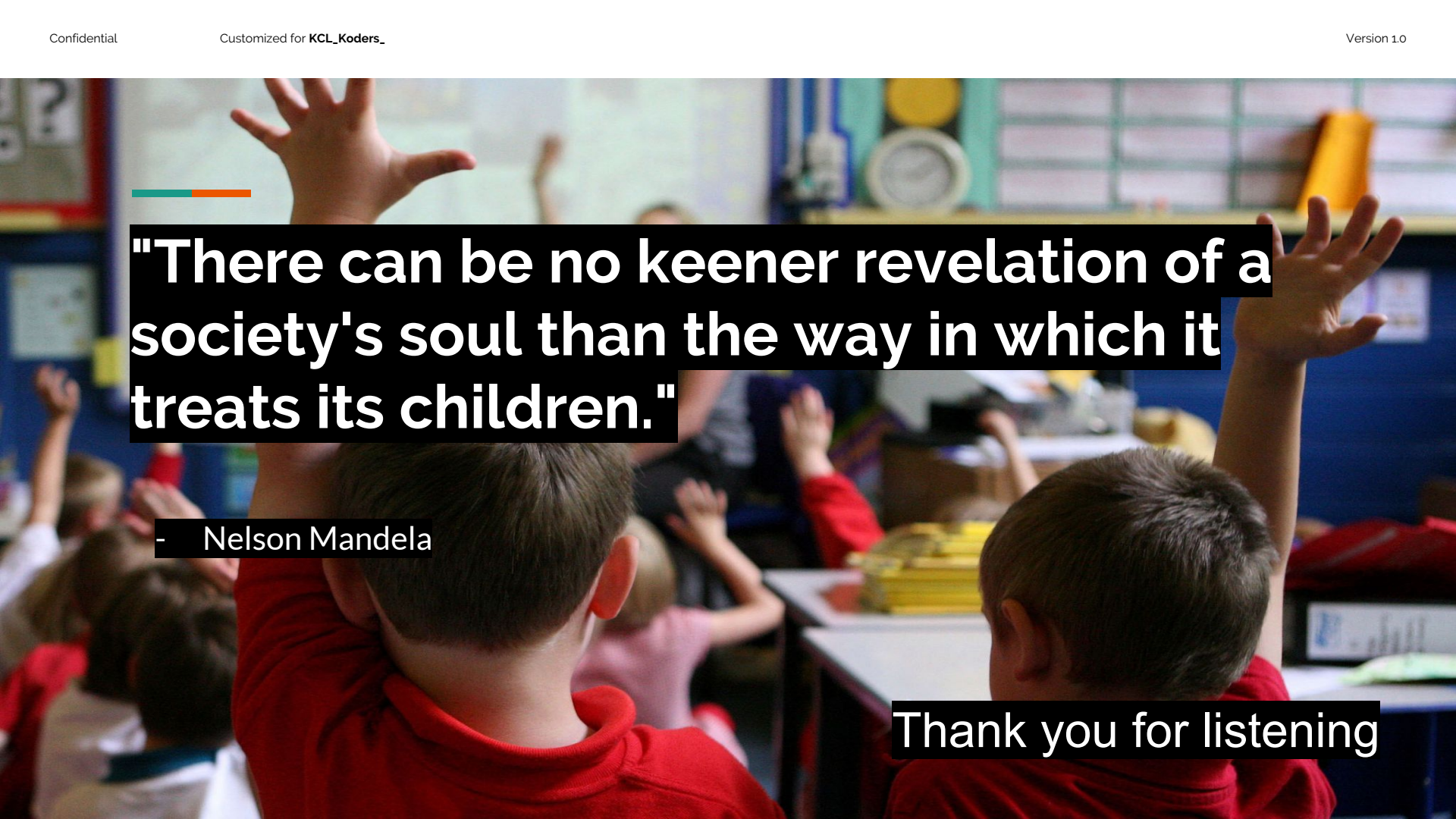


Objective and Proposal

We propose a visualization framework that will aid educators and decision makers to intuitively and rapidly identify risk factors and potential for improvement.



Framework Demo

A photograph of a classroom with several children sitting at desks. Many of the children have their hands raised in the air, indicating they want to answer a question or participate in a discussion. The children are wearing red shirts. The background shows a typical classroom environment with a whiteboard, a clock, and various educational materials.

"There can be no keener revelation of a society's soul than the way in which it treats its children."

- Nelson Mandela

Thank you for listening