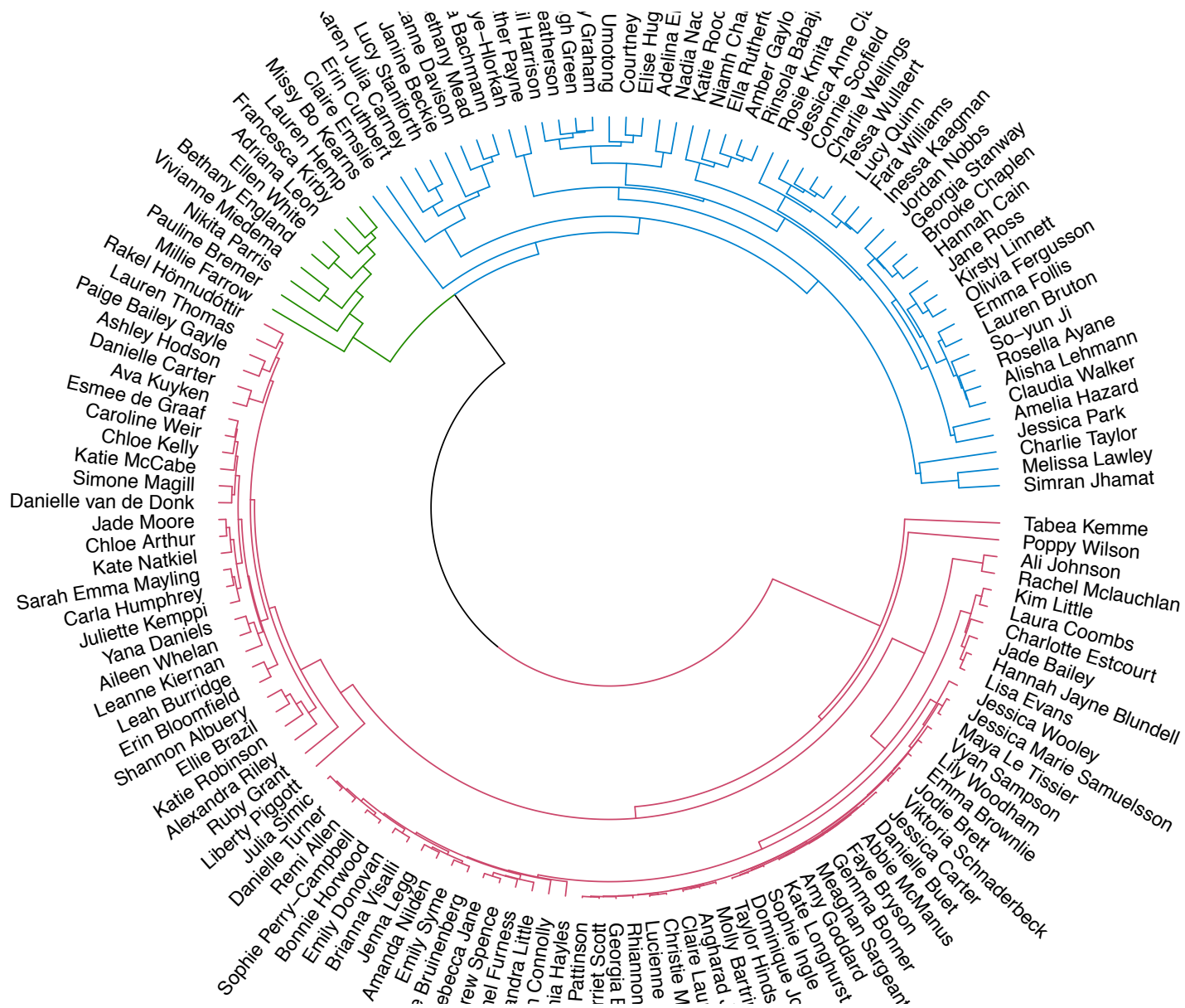# FC RSTATS CHALLENGE 1: REPLACE NIKITA PARRIS

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Methodology

- Based on [work](#) conducted by Carey and Sormaz on clustering playing styles in the modern day full-back.
- Also based on own [work](#) on clustering playing styles of teams in the Eredivisie.
- A Principal Component Analysis was performed with 46 variables (i.e. performance indicators, including goals and assists).
- All variables were 90 min. adjusted.
- Only players that are in attacking positions on the field were taken into account.
- The set of variables was reduced from 46 to 35 variables with the PCA (i.e. cut-off of the factor loadings was .6).
- A cluster analysis was conducted with the remaining 35 variables in order to find players that have the same playing style (and offensive output) as Nikita Parris.
- A short list of players was created.
- See my [GitHub](#) for the full code.

Playing style partners of players in WSL season 2018/2019

Short list: 1. Vivianne Miedema, 2. Bethany England, 3. Ellen White