Characterizing Quartzite Points along Ume river valley, Västerbotten, Sweden

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Here is an abstract

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Keywords: XRF; quartzite; pca

Highlights: These are the highlights.

# 1 Introduction

Here is a citation (Marwick, 2017)

# 2 Background

# 3 Methods

# 4 Results

#> Ag   
#> 51

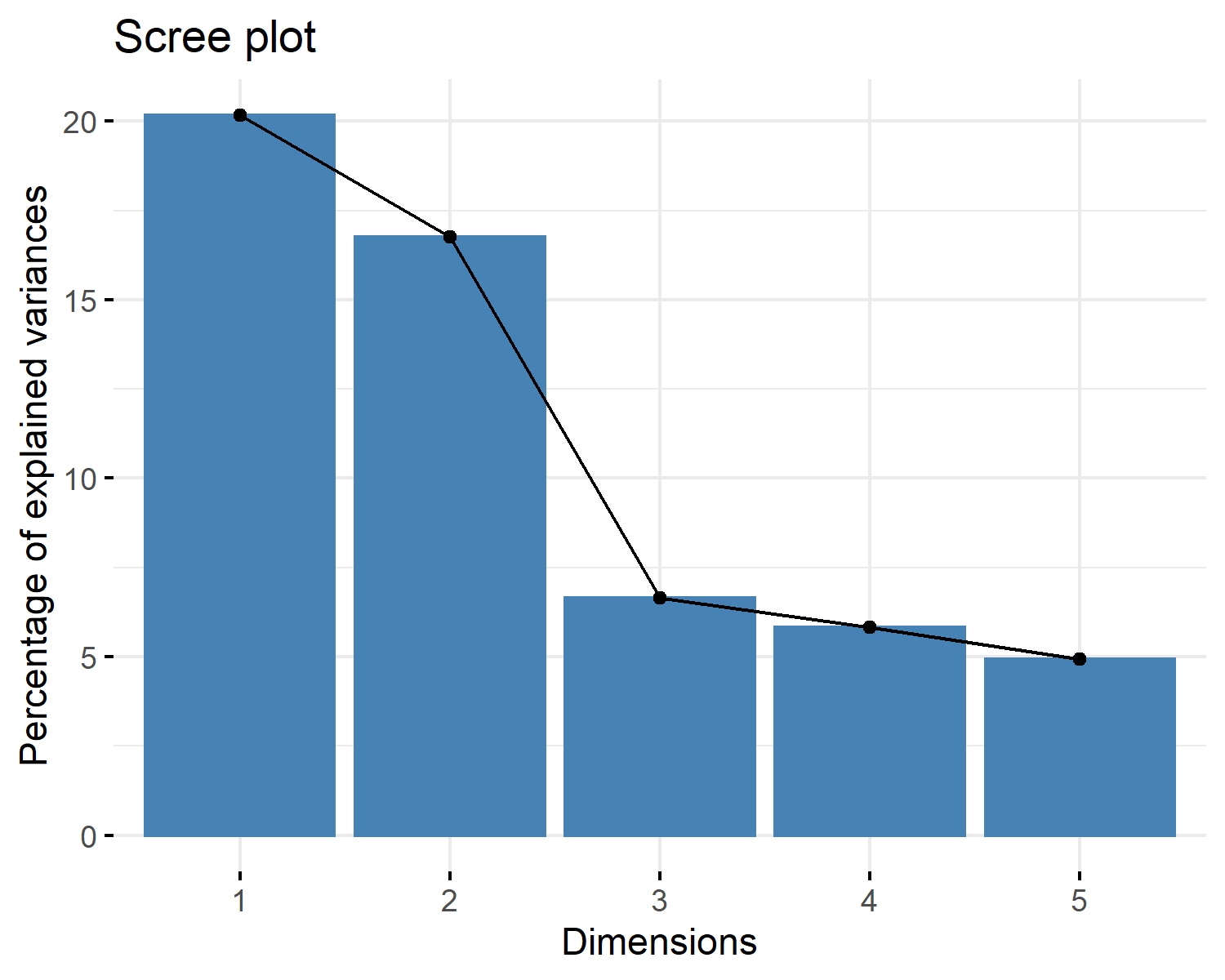


Figure 4.1: Screeplot for PCs

The above figure 4.1 visualises the explained variance of the 5 first principal components (PC). As can be seen most of the variance is explained in the first two PCs. Taking a closer look at which variables contribute to the PCs can be found in 4.2 and 4.3.

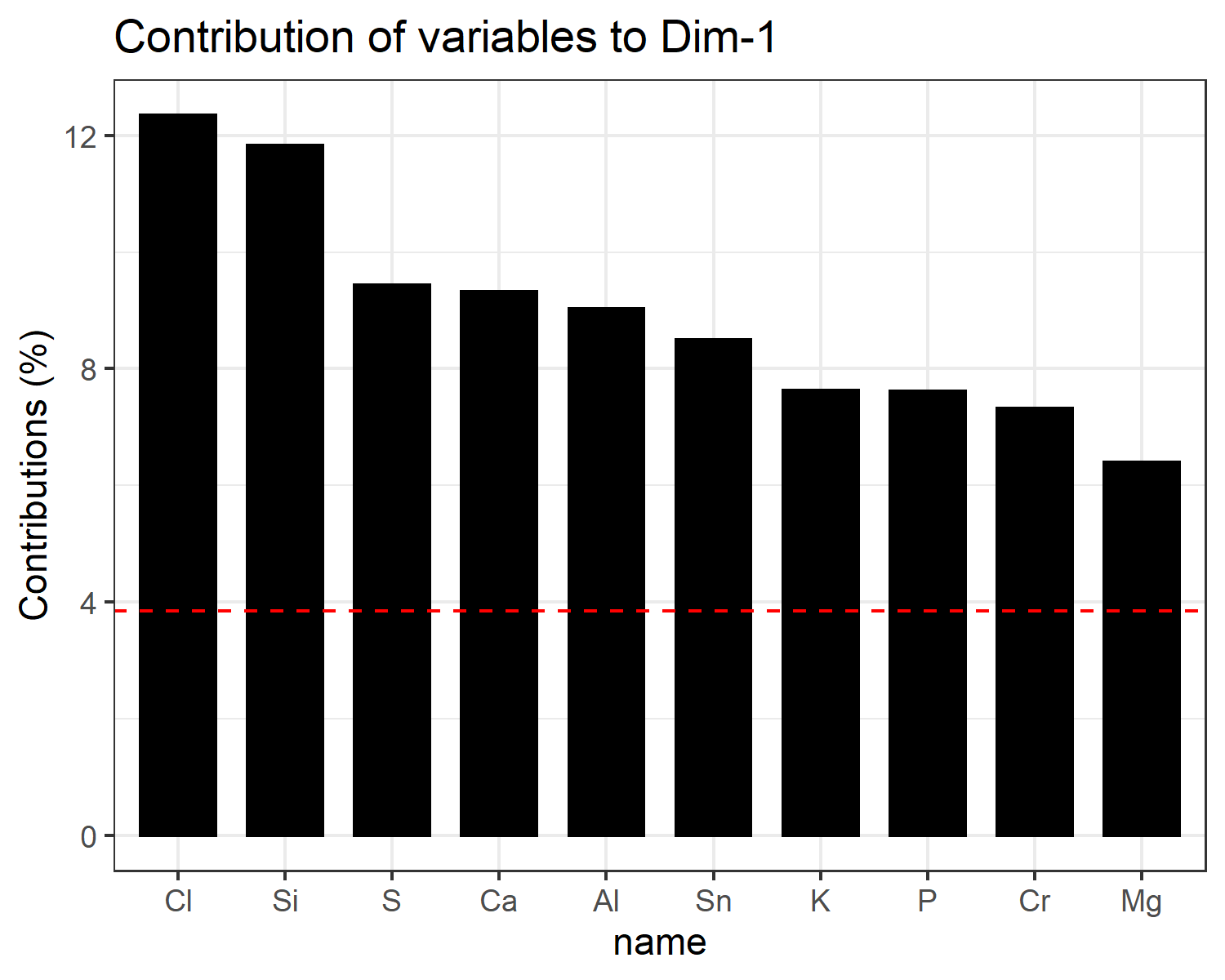


Figure 4.2: Contributions of variables to PC 1

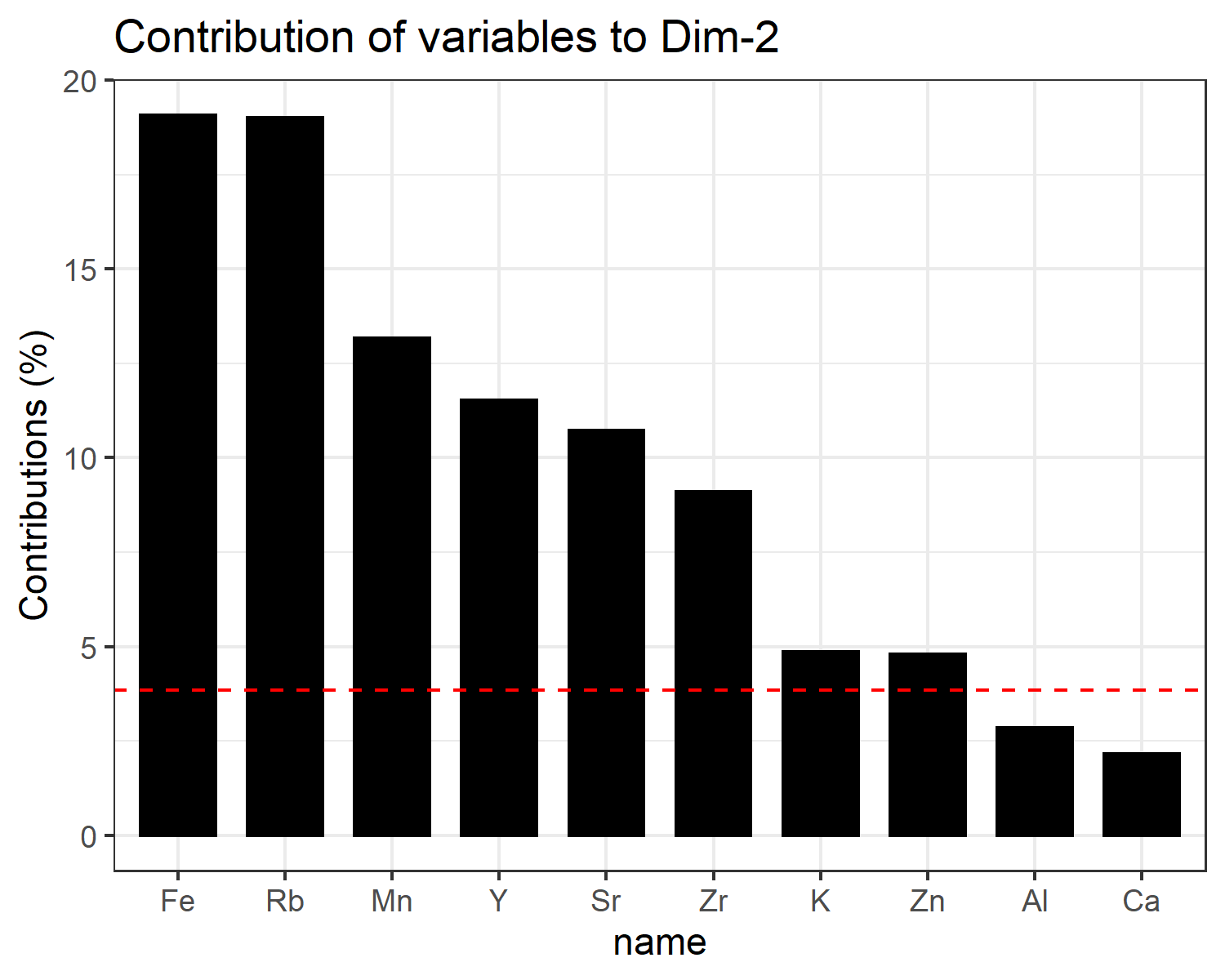
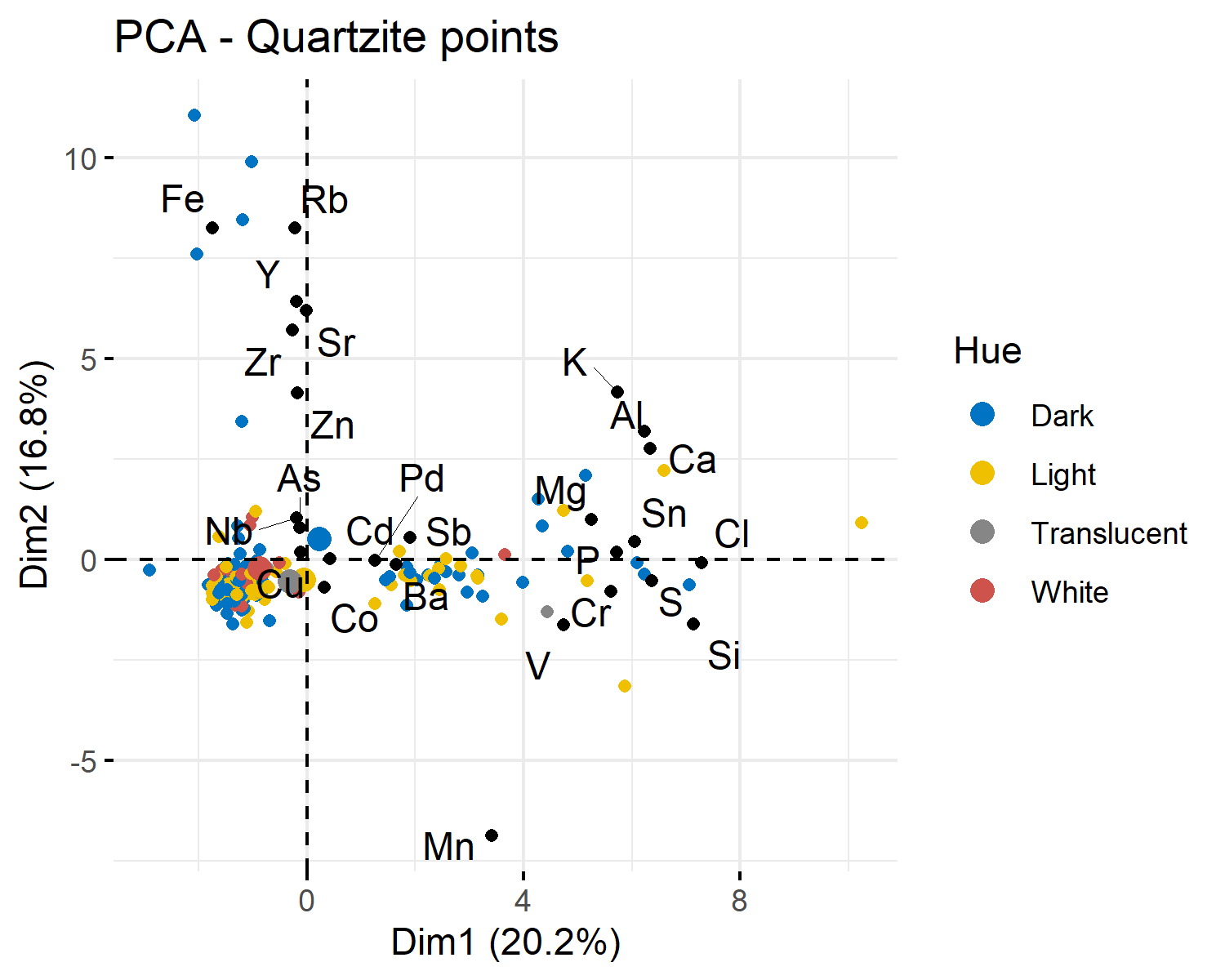


Figure 4.3: Contributions of variables to PC 2

The result of the PCA analysis can be seen in pca\_biplot @ref(fig:pca\_biplot).



(#fig:pca\_biplot)Biplot of PCA analysis with PC1 and PC2, no clear clustering can be seen related to the color of the material

Here is an example of inline code 3.14 in the middle of a sentence.

# 5 Discussion

# 6 Conclusion

# 7 Acknowledgements

# 8 References

Marwick, B., 2017. Computational reproducibility in archaeological research: Basic principles and a case study of their implementation. Journal of Archaeological Method and Theory 24, 424–450. <https://doi.org/10.1007/s10816-015-9272-9>

### 8.0.1 Colophon

This report was generated on 2021-03-26 14:30:45 using the following computational environment and dependencies:

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#> date 2021-03-26   
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