

## APPENDIX OF THE PLOTS GENERATED WITH PYTHON LIBRARIES

### Guiding Radiance: Making Informed Skin Care Decisions By Navigating Ingredients And User Experiences In SPF Face Creams

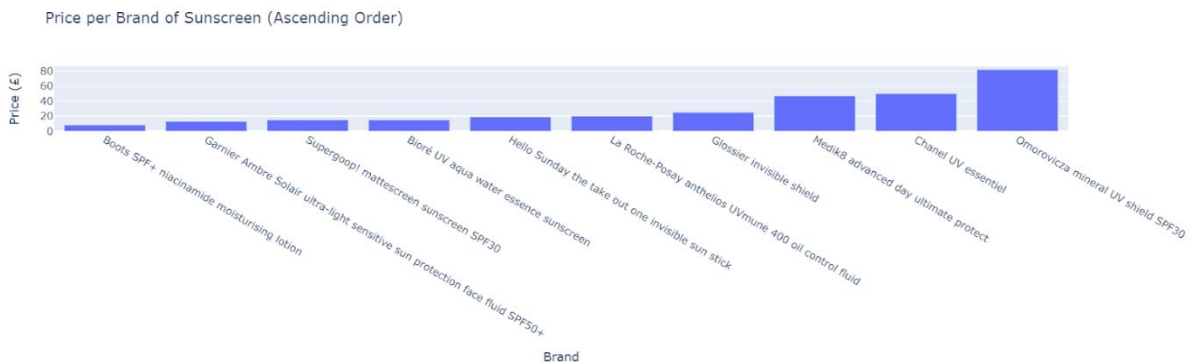


Figure 1. Price per Brand of Sunscreen

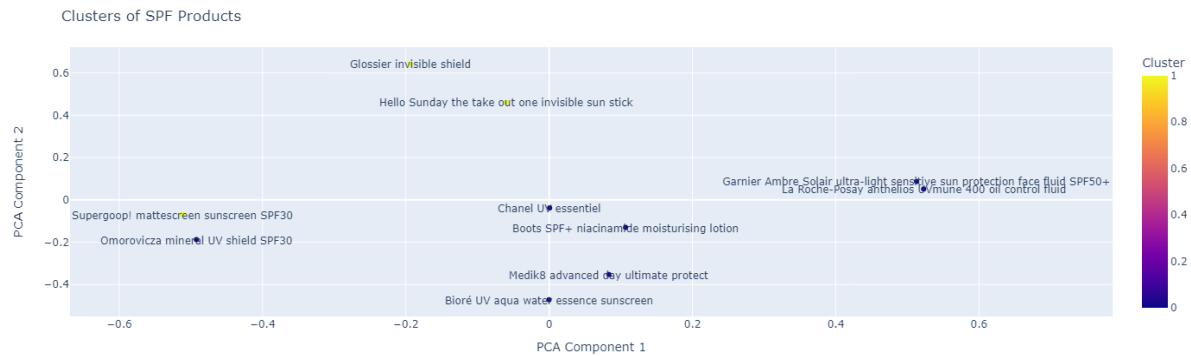


Figure 2. Clusters of SPF Products

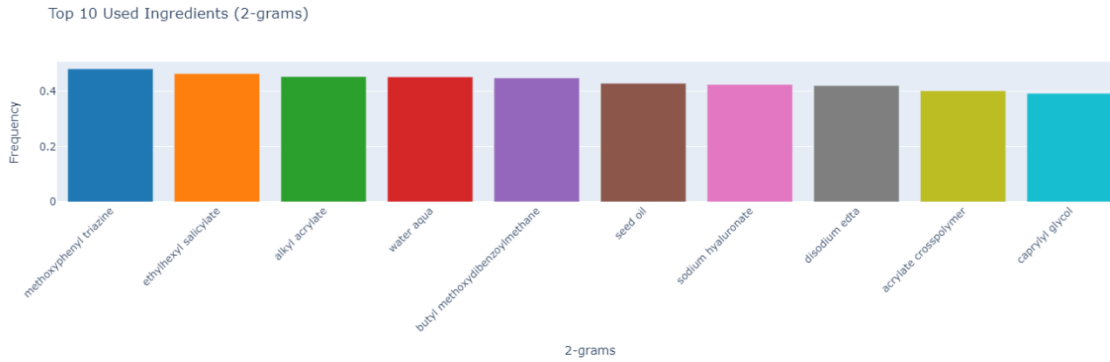


Figure 3. Top ten used ingredients

### *La Roche-Posay Anthelios anti-shine sun protection invisible SPF50+*

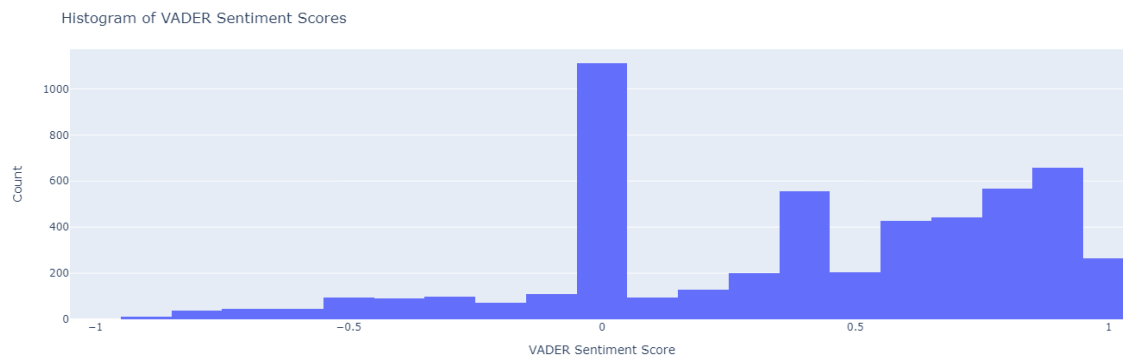


Figure 4. Histogram of Vader Sentiments Scores – LaRoche Posay Anthelios

### La Roche-Posay anthelios anti-shine sun protection invisible SPF50+ Clusters



Figure 5. La-Roche Posay Anthelios Clusters

### *Garnier Ambre Solair ultra-light sensitive sun protection face fluid SPF50+*



Figure 6. Histogram of Vader Sentiment Scores – Garnier Ambre

Garnier Ambre Solair ultra-light sensitive sun protection face fluid SPF50+ Clusters



Figure 7. Garnier Ambre Solair Clusters

### ***Boots SPF+ niacinamide moisturizing lotion***

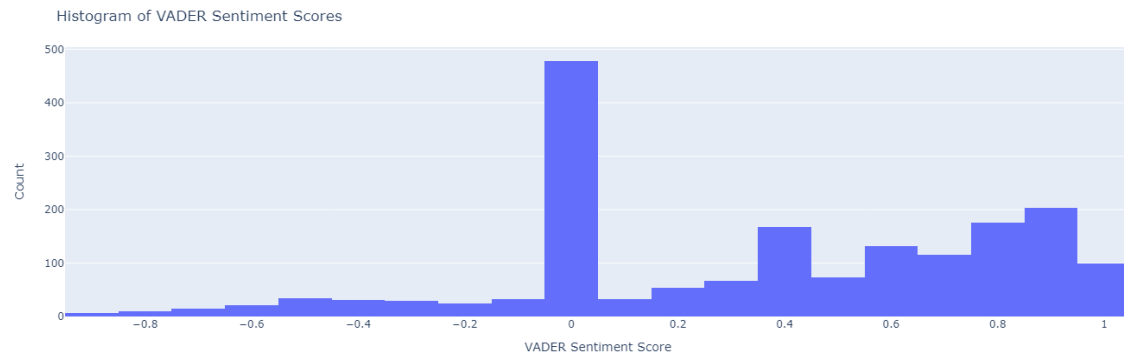


Figure 8. Histogram of Vader Sentiment Scores – Boots SPF+

Boots SPF+ niacinamide moisturising lotion Clusters



Figure 9. Boots SPF+ Clusters

### ***Supergoop! mattescreen sunscreen SPF30***

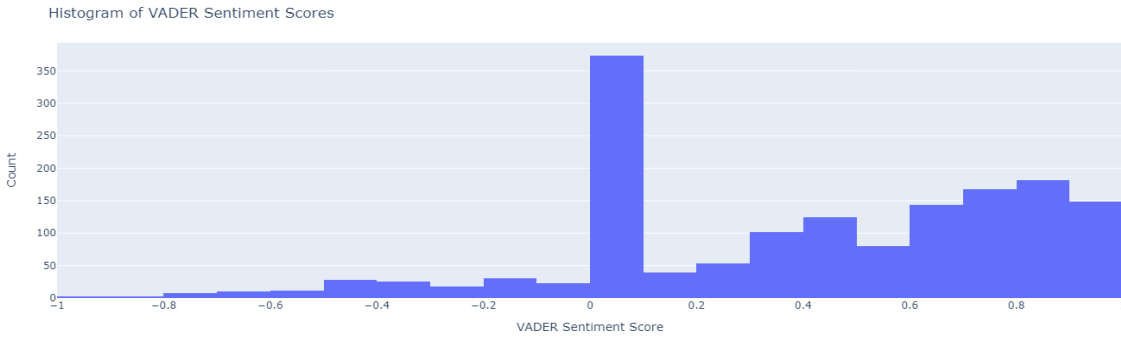


Figure 10. Histogram of Vader Sentiment Scores – Supergoop mattescreen SPF30



Figure 11. Supergoop mattescreen SPF30 Clusters

*Hello Sunday the take out one invisible sun stick*



Figure 12. Histogram of Vader Sentiment Scores – Hello Sunday SPF



Figure 13. Hello Sunday SPF Clusters

### Chanel UV essential

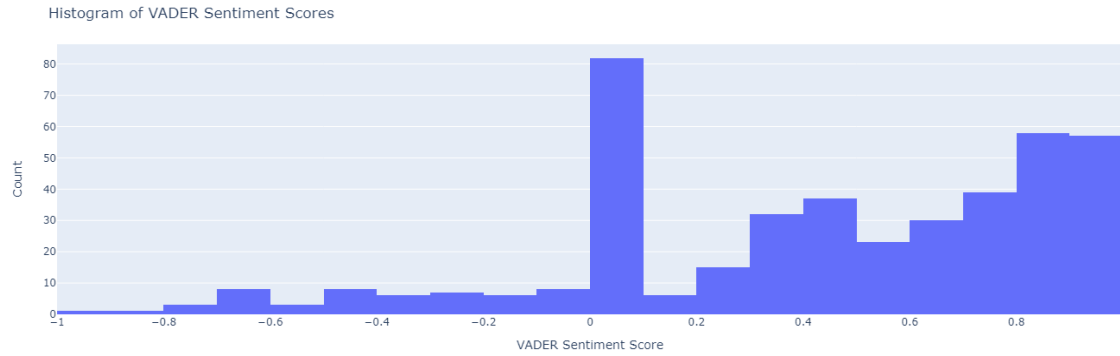


Figure 14. Histogram of Vader Sentiment Scores – Chanel UV essential

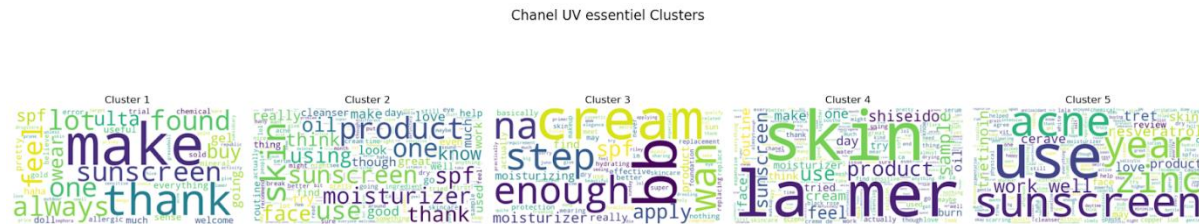


Figure 15. Chanel UV essential Clusters

### Glossier invisible shield

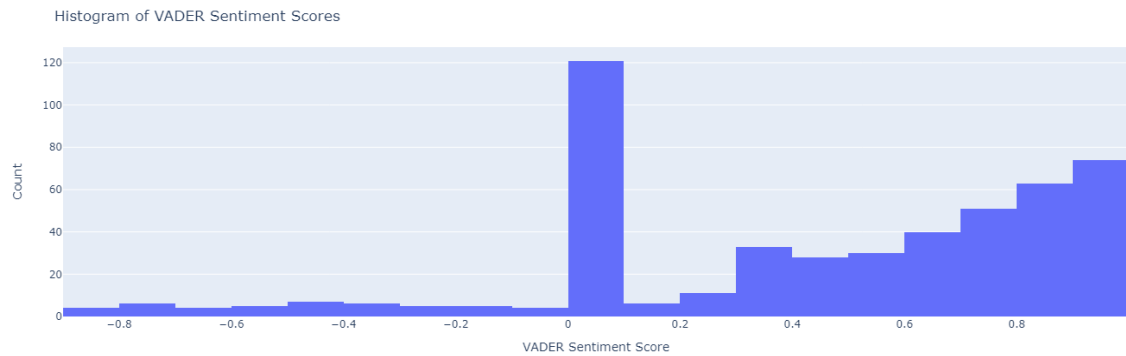


Figure 16. Histogram of Vader Sentiment Scores – Glossier invisible shield



Figure 17. Glossier invisible shield clusters

### ***Omorovicza mineral UV shield SPF30***



Figure 18. Histogram of Vader Sentiment Scores – Omorovicza mineral UV SPF 30



Figure 19. Omorovicza mineral UV SPF30 Clusters

### ***Bioré UV aqua water essence sunscreen***

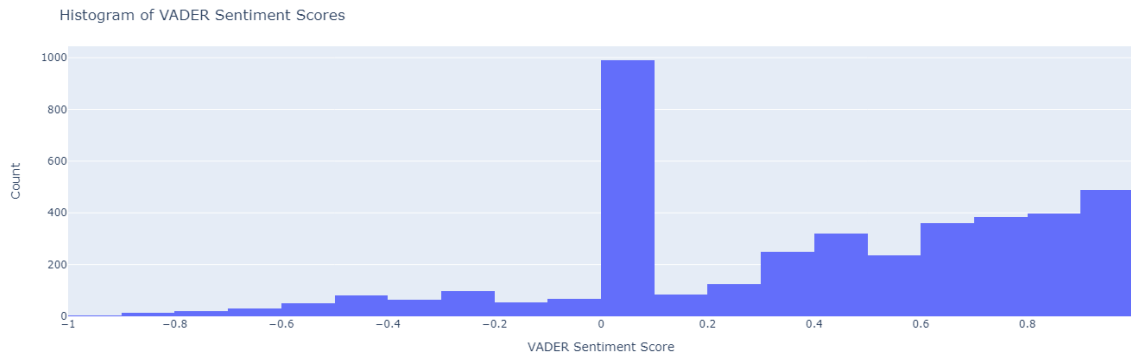


Figure 20. Histogram of Vader Sentiment Scores – Bioré UV aqua essence sunscreen

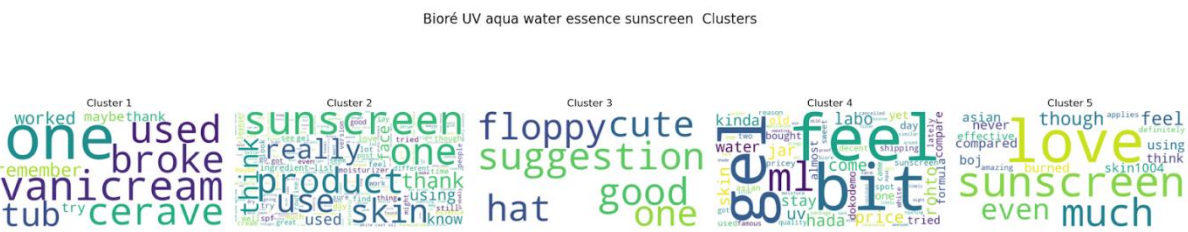


Figure 21. Bioré UV aqua essence sunscreen Clusters

### Medik8 advanced day ultimate protect

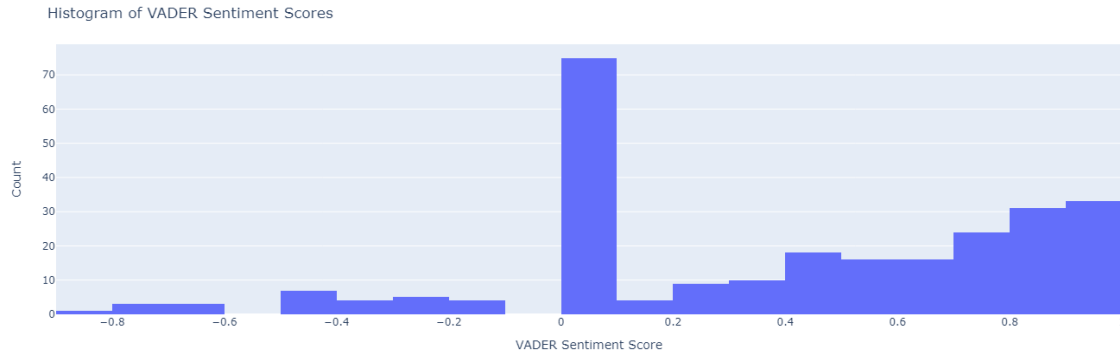


Figure 22. Histogram of Vader Sentiment Scores - Medik8 advanced day ultimate protect

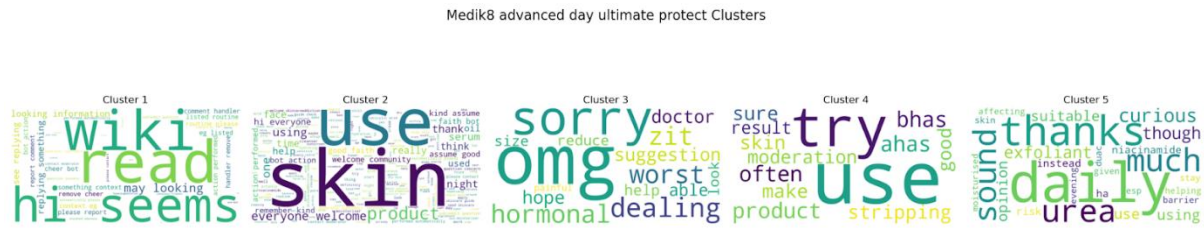


Figure 23. Medik8 advanced day ultimate protect Clusters

### Negative experiences in the SPF creams

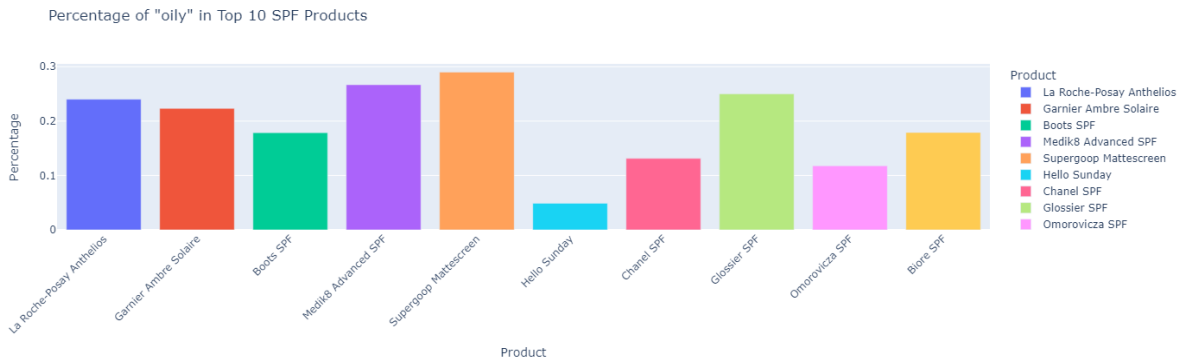


Figure 24. Percentage of “oily” in top 10 SPF Products



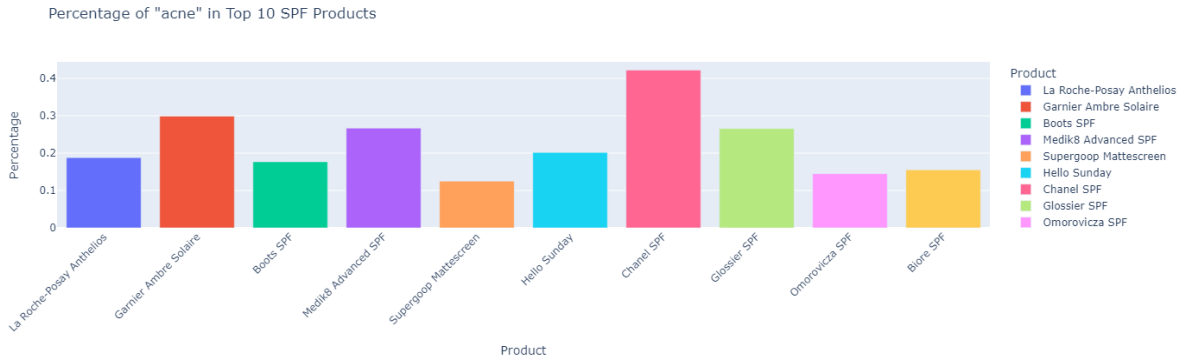


Figure 25. Percentage of “ance” in top 10 SPF Products

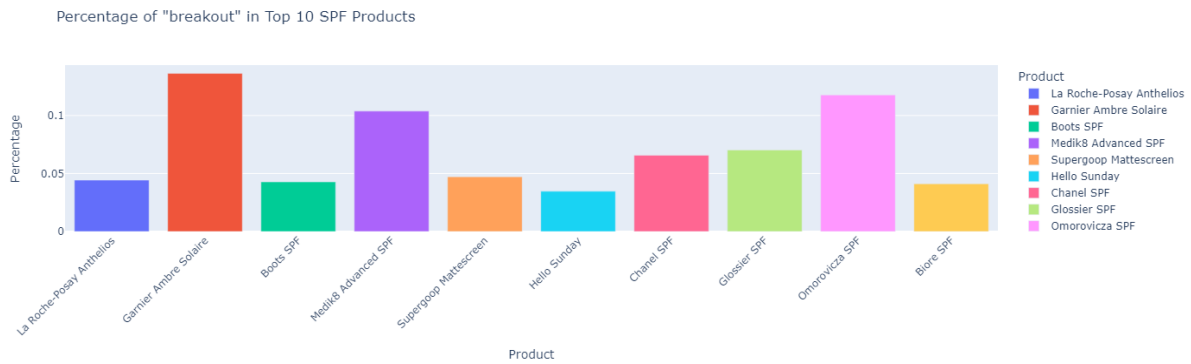


Figure 26. Percentage of “breakout” in top 10 SPF Products

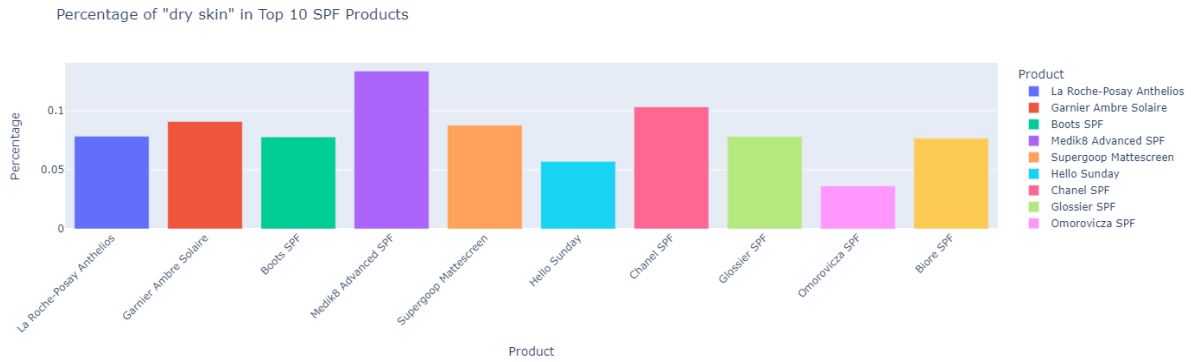


Figure 27. Percentage of “dry skin” in top 10 SPF Products



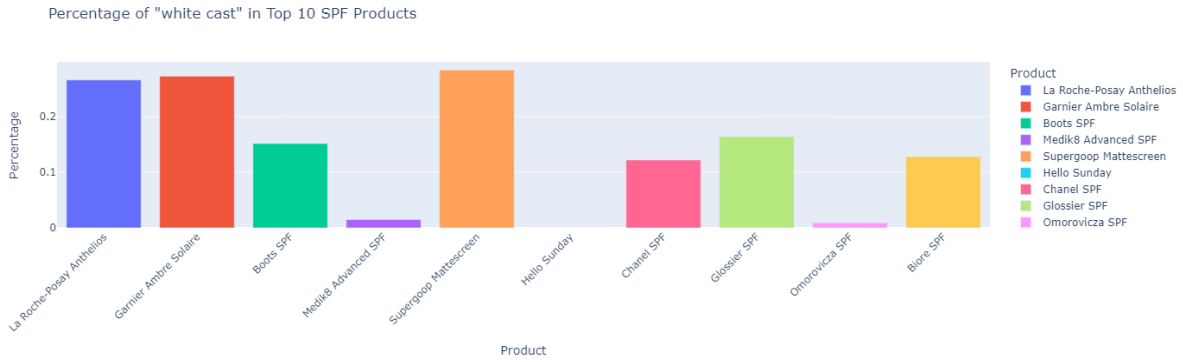


Figure 28. Percentage of “white cast” in top 10 SPF Products

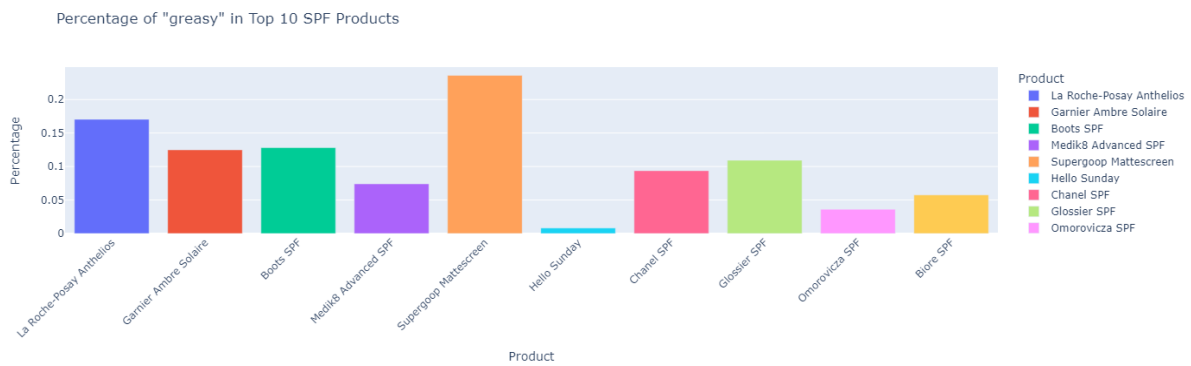


Figure 29. Percentage of “greasy” in top 10 SPF Products

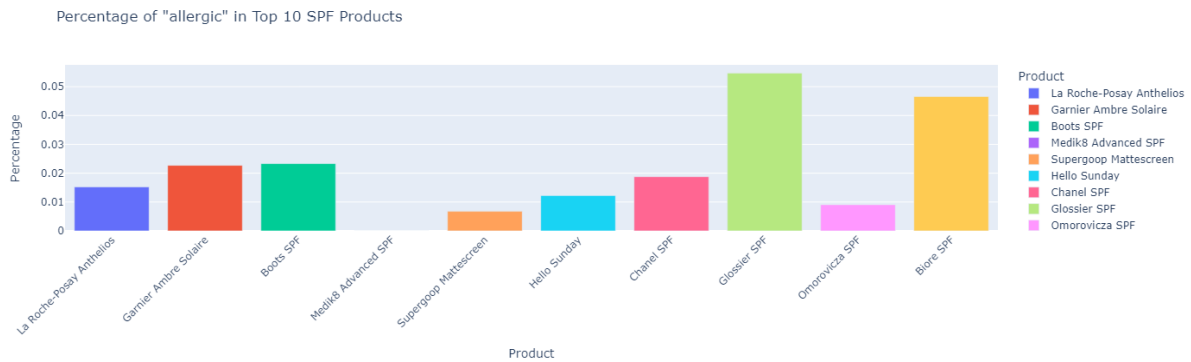


Figure 30. Percentage of “allergic” in top 10 SPF Products

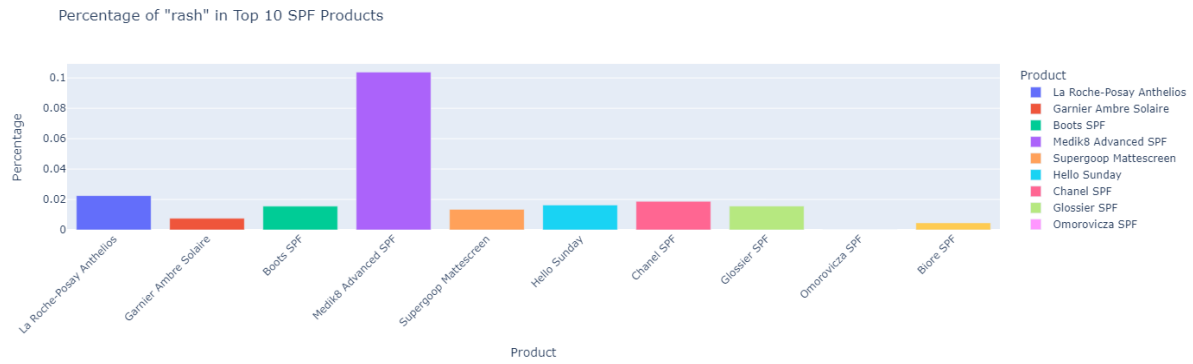


Figure 31. Percentage of “rash” in top 10 SPF Products