

# 10. Rudolph the Statistician

*(Rudolph the Red-Nosed Reindeer)*

*Rudolph the statistician  
Sampled data everywhere.  
Mean heights and heart conditions  
Calculated with great care.*

*All his investigations  
Turned raw data into sense.  
Careful with interpretations,  
Conclusions backed by evidence.*

*Then one foggy Christmas Eve  
Santa came to say,  
"Rudolph, with your pencil write,  
What gifts should I take tonight?"*

*Rudolph picked a random sample,  
Stratified by age and place,  
Gave equal representation  
Allowing him to make his case.*

*Careful how he asked the questions,  
Kept the wording plain and clear,  
No leading phrasing slipped in there,  
Ensuring that it wasn't unfair.*

*Santa looked at Rudolph's tables,  
Scratched his head and sighed,  
"Rudolph, all these numbers blur,  
I don't know what to infer."*

*Rudolph drew up charts and graphs,  
Bars and lines were clearly shown,  
Patterns started to emerge now,  
Helping trends be quickly known.*

*Rudolph looked at which gifts came up,  
Found the mode that topped the list,  
Checked the mean cost of those choices,  
So the budget would persist.*

*Santa heard what Rudolph said,  
And was pleased indeed,  
"Rudolph, your stats are so bright,  
The children's gifts will all be right"*