Exercises: Frequency analysis

1. The follow cipher is a clue to a secret animal. What is it? L D N V D P F U M R F S P C DS M O D L M U F X L P V F S M F. PCDMV UFRD RDFUL GMY _____ W Z Z P G D N F X L D Z WPCDMV SFVYD WDDP FUI T Z J D V W X S C M U I S D Y L. PCDK CFOD LRFSS WVZUP SDYL FUI F SZUY, L P V Z U Y P F M S J C M N C CDSTL PCDR GFSFUND J C M S D EXRTMUY.

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PCD LDNVDP FUMRFS
 <u>t h e s e c r e t a n i m a l</u>
 S M O D L M U F X L P V F S M F.
 \underline{l} \ \underline{i} \ \underline{v} \ \underline{e} \ \underline{s} \quad \underline{i} \ \underline{n} \quad \underline{a} \ \underline{u} \ \underline{s} \ \underline{t} \ \underline{r} \ \underline{a} \ \underline{l} \ \underline{i} \ \underline{a}.
 PCDMV UFRD RDFUL GMY
 \underline{t} \underline{h} \underline{e} \underline{i} \underline{r} \underline{n} \underline{a} \underline{m} \underline{e} \underline{m} \underline{e} \underline{a} \underline{n} \underline{s} \underline{b} \underline{i} \underline{g}
WZZP GDNFXLD ZW
 \underline{f} \ \underline{o} \ \underline{o} \ \underline{t} \ \underline{b} \ \underline{e} \ \underline{c} \ \underline{a} \ \underline{u} \ \underline{s} \ \underline{e} \ \underline{o} \ \underline{f}
 PCDMV SFVYD WDDP FUI
 \underline{t} \quad \underline{h} \quad \underline{e} \quad \underline{i} \quad \underline{r} \qquad \quad \underline{l} \quad \underline{a} \quad \underline{r} \quad \underline{g} \quad \underline{e} \qquad \quad \underline{f} \quad \underline{e} \quad \underline{e} \quad \underline{t} \qquad \quad \underline{a} \quad \underline{n} \quad \underline{d}
 T Z J D V W X S C M U I S D Y L.
 p \ \underline{o} \ \underline{w} \ \underline{e} \ \underline{r} \ \underline{f} \ \underline{u} \ \underline{l} \quad \underline{h} \ \underline{i} \ \underline{n} \ \underline{d} \quad \underline{l} \ \underline{e} \ \underline{g} \ \underline{s}
 PCDK CFOD LRFSS
 \underline{t} \ \underline{h} \ \underline{e} \ \underline{y} \ \underline{h} \ \underline{a} \ \underline{v} \ \underline{e} \ \underline{s} \ \underline{m} \ \underline{a} \ \underline{l} \ \underline{l}
WVZUP SDYL FUI F SZUY,
 \underline{\mathbf{f}} \ \underline{\mathbf{r}} \ \underline{\mathbf{o}} \ \underline{\mathbf{n}} \ \underline{\mathbf{t}} \qquad \underline{\mathbf{l}} \ \underline{\mathbf{e}} \ \underline{\mathbf{g}} \ \underline{\mathbf{s}} \qquad \underline{\mathbf{a}} \ \underline{\mathbf{n}} \ \underline{\mathbf{d}} \qquad \underline{\mathbf{a}} \qquad \underline{\mathbf{l}} \ \underline{\mathbf{o}} \ \underline{\mathbf{n}} \ \underline{\mathbf{g}},
 L P V Z U Y P F M S J C M N C
 \underline{s} \quad \underline{t} \quad \underline{r} \quad \underline{o} \quad \underline{n} \quad \underline{g} \qquad \quad \underline{t} \quad \underline{a} \quad \underline{i} \quad \underline{l} \qquad \quad \underline{w} \quad \underline{h} \quad \underline{i} \quad \underline{c} \quad \underline{h}
 CDSTL PCDR GFSFUND
 \underline{\mathbf{h}} \ \underline{\mathbf{e}} \ \underline{\mathbf{l}} \ \mathbf{p} \ \underline{\mathbf{s}} \qquad \underline{\mathbf{t}} \ \underline{\mathbf{h}} \ \underline{\mathbf{e}} \ \underline{\mathbf{m}} \qquad \underline{\mathbf{b}} \ \underline{\mathbf{a}} \ \underline{\mathbf{l}} \ \underline{\mathbf{a}} \ \underline{\mathbf{n}} \ \underline{\mathbf{c}} \ \underline{\mathbf{e}}
 \label{eq:constraints} J \ C \ M \ S \ D \qquad E \ X \ R \ T \ M \ U \ Y.
\underline{w} \ \underline{h} \ \underline{i} \ \underline{l} \ \underline{e} \qquad \underline{j} \ \underline{u} \ \underline{m} \ \underline{p} \ \underline{i} \ \underline{n} \ \underline{g}.
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Kangaroo