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Week 1 quiz

7.5/8

1. Circle the members of the minimal pair in this dataset (Papago, an Uto-Aztecan language)

- |             |               |
|-------------|---------------|
| tokih       | 'cotton'      |
| <u>tamf</u> | 'gums'        |
| todsid      | 'to frighten' |
| dakpon      | 'to slip'     |
| <u>damf</u> | 'storm'       |
| tohnto      | 'degenerate'  |

Are the two sounds in question allophones of 1 phoneme or are they 2 separate phonemes?

2 separate phonemes

2. Data from an imaginary language:

- |        |        |          |               |
|--------|--------|----------|---------------|
| tfizum | 'map'  | ntengoku | 'heaven'      |
| torini | 'bird' | sot      | 'outside'     |
| atamam | 'head' | tfikam   | 'underground' |
| hatfni | 'bee'  |          |               |

Extract the environments that [t] and [ʃ] occur in (use x\_\_y format)

[t]  
 [word]\_o  
 a\_a  
 a\_—  
 n\_e  
 o\_—

[ʃ]  
 [word]\_i  
 a\_i  
 [word]\_!

State in prose what environment each sound occurs in

[t]: occurs elsewhere occurs elsewhere <sup>of word tʃ</sup> occurs  
 [ʃ]: occurs when there is [i], after [tʃ] (—[i]!)  
 high front tense unrounded vowel

Are the two sounds in question allophones of 1 phoneme or are they 2 separate phonemes?

1 phoneme