

Turkish Nouns - 2

The following examples illustrate alternations in Turkish suffixes. Your task is to write a lexicon and grammar for this set of data.

The data has been transcribed using these symbols:

‘ɨ’ is a high back unrounded vowel [ɯ]

‘ü’ is a high front rounded vowel [y]

‘ö’ is a non-high front rounded vowel [œ]

‘a’ is a non-high back unrounded vowel [ɑ]

‘ç’ is a voiceless palatal affricate

‘y’ is the glide [j]

All other symbols have their standard IPA value.

	<u>Nominative Sg.</u>	<u>Genitive Sg.</u>	<u>Accusative Sg.</u>	<u>Dative Sg.</u>	
1.	ip	ipin	ipi	ipe	‘rope’
2.	kız	kızın	kızı	kıza	‘girl’
3.	yüz	yüzün	yüzü	yüze	‘face’
4.	pul	pulun	pulu	pula	‘stamp’
5.	el	elin	eli	ele	‘hand’
6.	çan	çanın	çanı	çana	‘bell’
7.	köy	köyün	köyü	köye	‘village’
8.	son	sonun	sonu	sona	‘end’

Preliminary Work

1. Analyze each Dat. Sg. form into Stem + Suffix in the first column below.

2. In the 2d column below, state which allomorph of the Dative suffix occurs in each example.

Stem + Suffix	Dat Sg Allomorph
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____

3. In the space below, list each allomorph of the Dat. Sg. suffix. Next to each one, list the environments in which that allomorph appears.

Allomorph 1 of the Dat. Sg. suffix is _____. It appears in the following environments:

Allomorph 2 of the the Dat. Sg. suffix is _____. It appears in the following environments:

4. Generalize what you have written immediately above, i.e. state each environment in general terms; do not make a list.

- a) The Dat. Sg. allomorph _____ appears in the environment _____.
- b) The Dat. Sg. allomorph _____ appears in the environment _____.

5. To answer the questions below, you will have to talk about the *features* of vowels ([High], [Back], and [Round]) and their *values*. A given vowel has a particular *value* for each feature, e.g. /u/ has the value "+" for the feature [High], so it is [+ High]; /o/ has the value "-" for the feature [High], so it is [-High].

- a) What feature value(s) does the vowel in both allomorphs of the Dat. Sg. suffix have in common? _____
- b) What feature value(s) differ in the vowel in the allomorphs of the Dat. Sg. suffix? _____
- c) What is the relation between the feature value(s) in the allomorphs of the Dat. Sg. suffix and the environments that cause those suffixes to appear?

6. All the feature values of the vowels in the different allomorphs of the Dat. Sg. suffix are *predictable*.

- A. The vowels in all the allomorphs of the Dat. Sg. suffix have the feature values _____ and _____.
- B. Each vowel's value for the feature _____ depends on its environment.
- C. State the generalization that predicts each vowel's value for this feature, as a function of its environment.

7. A big step. It is possible to posit a single form for the Dat. Sg. suffix from which the allomorphs can be derived. You can do this by positing a form consisting of only what both allomorphs of the suffix have in common.

Do this, and then state the generalization that predicts what in each allomorph varies according to the environment.