

# A First Look at Lexical Stress in Mankiyali

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# Presentation Overview

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Language  
Information

Demographics

Data Collection  
Methods

Primary Stress  
Pattern

Secondary  
Stress Pattern

Future  
Research



# Language Information

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- Undocumented and absent from the literature
- About 500 speakers
- Spoken in Mansehra District of Pakistan's Khyber Pakhtunkhwa Province
  - Villages: Danna and Dameka

# Pakistan



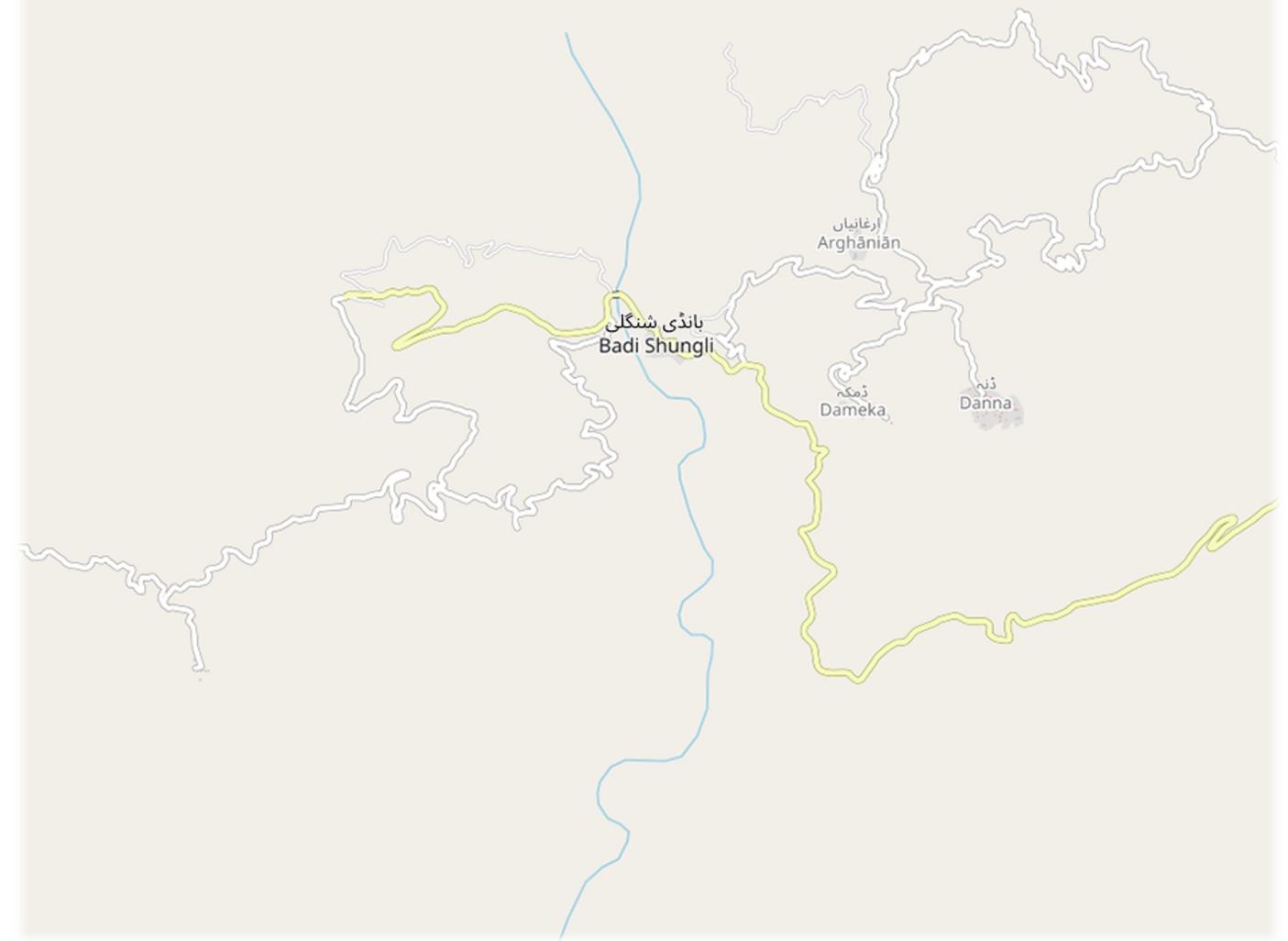
# Khyber Pakhtunkhwa Province



# Mansehra District



# Danna & Dameka



# Demographics of the Mankiyali Speakers

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- Speakers are Bilingual
- Many are illiterate
- Occupations
  - Agriculture and unskilled labor
  - About a dozen teachers

# Data Collection Methods

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- Naturally Occurring Discourse
  - Stories, personal and historical narratives, conversations, poems and songs, and recipes
- Elicitation sessions with native speaker consultants
  - Words elicited in isolation and in sentences

# Overview of Weight-sensitive Stress

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- Weight-sensitive stress system
- 40% of the world's languages exhibit weight-sensitive systems
- 87% of weight-sensitive systems exhibit binary distinction: VV(C) > V(C)
- Mankiyali stress scale: VVC > VV > VCC > VC > V

Statistics from Gordon (2006)



# Mankiyali Primary Stress Placement

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- Sensitive to both syllable weight and the position of the syllable within a word
- Unbounded
- Sensitive to morphology
- Non-phonemic

# Neutral Weight

- |    |              |           |
|----|--------------|-----------|
| 1. | 'a.za        | 'above'   |
| 2. | 'đaa.kii     | 'postman' |
| 3. | ku.'cu.řa    | 'dog'     |
| 4. | đan.'dar.yōz | 'locks'   |
| 5. | a.na.'gu.gu  | 'owl'     |
| 6. | pa.ba.'li.ňa | 'burning' |

VVC > VV > VCC > VC > V

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1. ma.'čʰir                   ‘mosquito’
2. pro.fe.'sar               ‘professor’
3. 'kaɳ.sa.le               ‘centipedes’
4. 'man.ki.ya.li           ‘Mankiyali’
5. ba.'šan.da               ‘rain’

VVC > VV > VCC > VC > V

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1. kar. 'sang' ‘a huge heap’

VVC > VV > VCC > VC > V

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1. gand.'gii                   ‘dirtiness’
2. zind.'gii                   ‘life’
3. mist.'rii                   ‘mason’
4. ang.'raa.ři.ňa              ‘a weed that grows in maize crops’ (genitive)

# VVC > VV > VCC > VC > V

- |                |  |
|----------------|--|
| 1. 'aaz.vii    | 'they were'                            |
| 2. kaa.'yaaz   | 'paper'                                |
| 3. baa.'leez   | 'air'                                  |
| 4. 'žāž.yaa.ra | 'person who looks after the watermill' |



# Tie for Heaviest Syllable

1. kar. 'san.ga                          'heaps'
2. mil. 'yan.di.yī                          'lightning'
3. baa. 'lee.ṇa                                  'air'
4. šI. 'taa.ṇii                                  'naughtiness'
5. do. 'kaan.daar                                  'shopkeeper'
6. 'laas.le.yaal                                  'smooth'



# Secondary Stress

- Mankiyali is highly sensitive to both stress clash and stress lapse

Examples:

|                 |            |                      |                      |
|-----------------|------------|----------------------|----------------------|
| 1. 'ni.ka       | 'small'    | 5. ki.'taa.baz       | 'book' (dative)      |
| 2. a.'soor      | 'walnut'   | 6. ,i.ti.'faa.ka.,na | 'consensus'          |
| 3. 'xaa.pi.,rak | 'bat'      | 7. 'žāž.yaa.,ra      | 'watermill watchman' |
| 4. ,co.ki.'daar | 'watchman' | 8. lun.'gee.ři.,na   | 'fox' (genitive)     |



# Summary of Lexical Stress in Mankiyali

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- Primary Stress
  - Default position – penultimate syllable
  - 5-way stress scale: VVC > VV > VCC > VC > V
- Secondary Stress
  - Occurs on every other syllable away from the primary stress location



# Future Research

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- The effects of syllable weight on other prosodic phenomena in Mankiyali
  - Tone
  - Compensatory Lengthening
  - Metrics
  - Minimal Word Constraints



# References

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