What did you think she’d say?
Expectations and sociolinguistic perception

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Where’s the social meaning?

Possible structures:

- Only *-ing* is meaningful.
- Only *-in* is meaningful.
- Either is meaningful, but each for different speakers.
- Both are meaningful.
Methods

Matched Guise experiment collecting listener responses to spontaneous speech:

- 8 speakers:
  - 2 men and 2 women from North Carolina and California
- 4 samples from each speaker
- Listeners solicited through social networking site
Methods

Listeners heard one of three guises for each speaker:

- **-in**: (ING) tokens = spliced -in forms, static bursts elsewhere
- **-ing**: (ING) tokens = spliced -ing forms, static bursts elsewhere
- **none**: static bursts on top of (ING) tokens
Analysis

Linear mixed-effects model fit by REML
Formula: IntelligentEducated ~ PerceivedSpeakerRegion + ING(2 way: -ing or not) * PositiveListenerMood + (1 | ListenerId) + (1 | SampleId)

<table>
<thead>
<tr>
<th>AIC</th>
<th>BIC</th>
<th>logLik</th>
<th>MLdev</th>
<th>REMLdev</th>
</tr>
</thead>
<tbody>
<tr>
<td>3372</td>
<td>3419</td>
<td>-1677</td>
<td>3336</td>
<td>3354</td>
</tr>
</tbody>
</table>

Random effects:
Groups   Name    Variance   Std.Dev.
ListenerId (Intercept)  0.19738   0.44428
SampleId (Intercept)   0.19709   0.44395
Residual              0.49208   0.70148

number of obs: 1410, groups: id, 176; word, 32
## Analysis

### Fixed effects:

<table>
<thead>
<tr>
<th></th>
<th>Estimate</th>
<th>Std. Error</th>
<th>t value</th>
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</thead>
<tbody>
<tr>
<td>(Intercept)</td>
<td>-0.29010</td>
<td>0.28517</td>
<td>-1.017</td>
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<tr>
<td>PerceivedRegion Ivan</td>
<td>-1.01102</td>
<td>0.26358</td>
<td>-3.836</td>
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<tr>
<td>PerceivedRegion Jason</td>
<td>-0.28513</td>
<td>0.26362</td>
<td>-1.082</td>
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<tr>
<td>PerceivedRegion South</td>
<td>-0.61547</td>
<td>0.18639</td>
<td>-3.302</td>
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<tr>
<td>ING -ing</td>
<td>0.65471</td>
<td>0.24406</td>
<td>2.683</td>
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<tr>
<td>PositiveListenerMood</td>
<td>0.20531</td>
<td>0.07939</td>
<td>2.586</td>
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<tr>
<td>ING -ing and</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PositiveListenerMood</td>
<td>-0.18095</td>
<td>0.07645</td>
<td>-2.367</td>
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</tbody>
</table>
Conscious memory

What did you think she'd say? Expectations and sociolinguistic perception – p. 7/18
Results

-ing made speakers seem more:

- Intelligent/educated
- Articulate
- Student

and less

- Hip/trendy

-ing also changed the effect of mood on:

- Intelligent/educated
- Student

and the effect of age on:

- Religious
Intelligence/education

-ing  -in, none

3.94  3.86

(p=0.037)
Intelligence/education

Listener mood

(permission difference 0.655, p=0.007; slope difference -0.181, p=0.019)
Articulate

-ing  -in, none
30%  26%
(intercept difference 0.343, p=0.020)
## Student

<table>
<thead>
<tr>
<th></th>
<th>-ing</th>
<th>-in, none</th>
<th>p-value</th>
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</thead>
<tbody>
<tr>
<td>overall percent</td>
<td>44%</td>
<td>48%</td>
<td>0.011</td>
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<tr>
<td>mood slope</td>
<td>-0.15</td>
<td>-0.95</td>
<td>0.007</td>
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</table>
### Religious

<table>
<thead>
<tr>
<th></th>
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<th>p-value</th>
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<tbody>
<tr>
<td>overall percent</td>
<td>11%</td>
<td>11%</td>
<td>0.665</td>
</tr>
<tr>
<td>age slope</td>
<td>-0.15</td>
<td>-0.25</td>
<td>0.006</td>
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</tbody>
</table>
Hip/trendy

-ing  -in, none
8%  13%

(intercept difference -0.398, p=0.026)
Results:

-in made speakers seem less:

- Formal
- Gay

and changed the effect of age on:

- Jock
Casual/formal

-in    -ing, none

2.40    2.51

(p=0.004)
Gay

-in  -ing, none
10%  15%
(intercept difference -0.762, p=0.026)
<table>
<thead>
<tr>
<th></th>
<th>-in</th>
<th>-ing, none</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>overall percent</td>
<td>10%</td>
<td>9%</td>
<td>0.668</td>
</tr>
<tr>
<td>age slope</td>
<td>0.031</td>
<td>-0.025</td>
<td>0.038</td>
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