

ELL101: Phonetics practice (IPA)

Tomonori Nagano <tnagano@lagcc.cuny.edu>

Education and Language Acquisition Dept.
LaGuardia Community College

August 16, 2017

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[ð̥]

voiced dental fricative

the, their, mother, either, teethe

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[ə]

schwa

among, sofa, Asia

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[aw]

diphthong

bout, brown, doubt, flower, loud

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[ð̥]

voiced dental fricative

the, their, mother, either, teethe

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[ə]

schwa

among, sofa, Asia

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[aw]

diphthong

bout, brown, doubt, flower, loud

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[ə]

schwa

among, sofa, Asia

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[ð̃]

voiced dental fricative

the, their, mother, either, teethe

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casuality,
decision

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[ð̥]

voiced dental fricative

the, their, mother, either, teethe

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[ð̥]

voiced dental fricative

the, their, mother, either, teethe

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

[ə]

schwa

among, sofa, Asia

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[ə]

schwa

among, sofa, Asia

[aw]

diphthong

bout, brown, doubt, flower, loud

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[aw]

diphthong

bout, brown, doubt, flower, loud

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[oy](oɪ)

diphthong

*boy, doily, rejoice, perestroika,
annoy*

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[aw]

diphthong

bout, brown, doubt, flower, loud

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[ə]

schwa

among, sofa, Asia

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[aw]

diphthong

bout, brown, doubt, flower, loud

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[ə]

schwa

among, sofa, Asia

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[u]

high-back (tense rounded) vowel

boot, who, sewer, duty, through

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[ð̃]

voiced dental fricative

the, their, mother, either, teethe

[e]([eɪ])

mid-front (tense un-rounded)
vowel

bait, reign, great, they, gauge

[ð̥]

voiced dental fricative

the, their, mother, either, teethe

[o]

mid-back (tense rounded) vowel

boat, beau, grow, though, over

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[s]

voiceless alveolar fricative

soap, psychology, packs, descent,
peace

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[w]

(voiced bilabial) glide
with, where, mowing, queen,
twilight

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[ɔ]

mid-back (lax rounded) vowel

bought, caught, wrong, stalk, core

[ʃ] ([š])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[z]

voiced alveolar fricative

zip, roads, kisses, Xerox, design

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[v]

high-back (lax rounded) vowel

put, foot, butcher, could,

boogie-woogie

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[Λ]

mid-central (lax unrounded)
vowel

but, tough, another, oven

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[ʒ] ([ž])

voiced palatal fricative

measure, vision, azure, casualty,
decision

[aw]

diphthong

bout, brown, doubt, flower, loud

[j] ([y])

(voiced palatal) glide

you, beautiful, feud. use, yell

ELL101: Phonetics practice (IPA) I

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[æ]

low-front (lax un-rounded) vowel

bat, laugh, anger, comrade, rally

ELL101: Phonetics practice (IPA) I

[I]

high-front (lax un-rounded) vowel

bit, consist, injury, malignant,

business

[θ]

voiceless dental fricative

through, wrath, thistle, ether, teeth

[p]

voiceless bilabial stop

pit, top, spit, hiccough, appear

[m]

(voiced) bilabial nasal

moose, lamb, smack, amnesty,

ample

[h]

(voiceless) glottal fricative

who, hat, rehash, hole, whole

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[v]

voiced labiodental fricative

vest, dove, gravel, anvil, average

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[ð]

voiced dental fricative

the, their, mother, either, teethe

[ʃ] ([ʂ])

voiceless palatal fricative

shy, mission, nation, glacial, sure

[ay](aɪ)

diphthong

bite, Stein, aise, choir, island

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[f]

voiceless labiodental fricative
foot, laugh, philosophy, coffee,
carafe

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[dʒ] ([j])

voiced palatal affricate

*judge, George, Jello-O, region,
residual*

[ʔ]

(voiceless) glottal stop
uh-oh, hatrick, Batman

[ə]

schwa

among, sofa, Asia

[t]

voiceless alveolar stop

tag, pat, stick, pterodactyl, stuffed

[a]

low-back (lax unrounded) vowel

pot, father, sergent, honor, hospital

[g]

voiced velar stop

guard, bag, longer, designate,

Pittsburgh

[tʃ] ([č])

voiceless palatal affricate

choke, match, feature, constituent

[f]

voiceless labiodental fricative

foot, laugh, philosophy, coffee,

carafe

[b]

voiced bilabial stop

ball, globe, amble, brick, bubble

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[r]

(voiced alveolar) retroflex liquid

reef, fear, Harris, prune, carp

[k]

voiceless velar stop

kit, scook, character, critique, exceed

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[n]

(voiced) alveolar nasal
nap, design, snow, know,
mnemonic

[d]

voiced alveolar stop

dip, card, drop, loved, batted

[ɛ]

mid-front (lax un-rounded) vowel

bet, reception, says, guest, bury

[1]

(voiced alveolar) lateral liquid

leaf, feel, Lloyd, mild, applaud

[ŋ]

(voiced) velar nasal

lung, think, finger, singer, ankle

[i]

high-front (tense un-rounded)
vowel

beat, we, believe, people, money

[aw]

diphthong

bout, brown, doubt, flower, loud

Bibliography I

This presentation slide was created with \LaTeX and *beamer* \LaTeX style.