

Appendix B

Mean durations and standard deviations of each subject and the normal group regarding each temporal parameter, utterance and context

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Mean vowel duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless plosive

	"pak"/puck				"pet"/pet				"pit"/pit				"pad"/putt				"pap"/pup			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	124.0	136.2	117.9	129.2	108.3	115.7	120.3	119.2	75.2	86.8	90.3	102.2	125.9	146.4	124.1	124.5	75.4	98.4	98.4	102.9
AOS2	137.3	129.1	106.6	106.8	147.5	147.5	150.4	162.4	83.0	72.2	67.8	56.0	111.5	113.9	111.8	107.8	119.4	128.3	117.9	128.7
AOS3	113.3	87.1	91.1	85.7	145.8	117.8	128.0	113.0	94.9	75.0	69.2	65.9	121.9	109.8	107.5	116.9	99.6	93.1	90.8	105.8
N1	74.7	69.2	100.7	77.3	99.7	89.8	102.1	73.3	62.6	56.1	68.3	54.7	101.9	89.5	96.6	78.9	75.8	68.5	83.5	69.1
N2	109.1	100.9	131.6	112.1	128.2	113.6	134.5	112.4	80.4	68.4	79.4	69.9	111.0	100.4	127.6	106.9	104.2	108.9	122.4	112.8
N3	92.7	94.7	88.3	88.0	91.6	88.1	90.8	81.0	63.5	71.9	71.6	66.8	90.2	90.1	91.0	84.1	76.4	79.5	81.5	63.7
N4	100.1	92.6	106.1	97.0	90.6	83.3	99.6	85.0	56.5	55.4	60.9	58.4	92.9	79.0	95.3	72.3	94.4	79.6	83.8	79.8
N5	89.1	74.3	89.8	98.4	94.3	78.1	82.5	79.0	67.8	54.3	62.7	58.8	94.4	78.8	89.9	86.9	89.9	74.3	85.1	84.0
NGR	93.1	86.3	103.3	94.6	100.9	90.6	101.9	86.1	66.2	61.2	68.6	61.7	98.1	87.6	100.1	85.8	88.1	82.2	91.2	81.9
PP1	101.5	104.9	95.1	71.9	87.2	91.2	92.1	81.5	48.4	45.4	52.5	46.0	93.4	86.9	86.4	74.2	84.2	64.8	76.3	68.8
PP2	85.2	95.9	91.8	98.8	93.6	101.8	99.6	100.7	81.0	85.8	80.1	70.0	95.9	95.0	90.8	106.3	70.2	66.0	78.6	85.4
PP3	121.6	126.9	104.5	114.8	108.4	130.9	115.6	133.0	74.2	73.7	72.1	76.3	115.1	127.7	102.6	107.9	102.5	102.7	92.8	107.0

Mean vowel duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiced plosive

	"byt"/bait				"bak"/buck				"bas"/bus				"bek"/back				"bed"/bet			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	169.0	149.0	196.1	195.0	107.0	131.7	113.5	145.7	152.5	165.6	208.8	193.3	135.7	171.4	172.1	159.6	172.9	155.3	160.8	148.7
AOS2	197.0	170.7	202.1	189.5	143.9	129.1	129.5	125.0	175.5	163.8	177.6	169.4	192.2	189.6	186.5	184.6	161.0	144.6	150.6	143.3
AOS3	217.2	192.5	206.0	192.5	163.9	112.8	142.9	122.3	254.4	202.6	210.5	168.1	209.0	188.2	195.4	168.7	186.5	157.2	152.5	155.9
N1	151.7	129.0	177.7	122.6	110.2	105.7	111.7	99.9	152.0	132.1	146.3	111.8	123.1	122.0	132.2	105.3	114.0	110.5	115.3	90.3
N2	172.0	136.8	185.2	152.6	144.3	123.5	146.7	130.3	176.1	144.2	178.3	152.0	173.2	142.1	169.5	141.7	151.8	120.2	151.3	126.1
N3	133.3	121.4	131.1	105.5	115.2	105.0	106.3	96.1	140.4	123.8	146.5	123.0	137.7	128.5	144.9	113.8	121.4	105.7	109.0	92.1
N4	155.1	144.3	173.4	143.6	128.9	127.0	130.8	126.7	181.7	155.4	162.1	143.5	153.3	137.4	172.7	147.2	139.4	108.7	139.1	116.2
N5	132.1	111.7	113.1	105.7	108.1	89.2	103.2	105.3	143.8	127.2	131.1	127.0	127.5	109.6	117.0	110.3	107.3	96.8	98.9	96.2
NGR	148.8	128.6	156.1	126.0	121.3	110.1	119.7	111.7	158.8	136.5	152.8	131.4	143.0	127.9	147.2	123.7	126.8	108.4	122.7	104.2
PP1	135.9	117.5	143.2	120.5	122.4	107.8	116.4	96.2	160.6	128.9	159.0	119.7	145.5	126.0	166.9	130.0	115.8	110.6	109.3	104.2
PP2	176.9	189.1	170.5	176.8	119.3	104.4	112.8	122.5	147.6	139.5	130.7	134.8	123.5	113.7	128.7	148.7	102.9	105.9	109.7	115.0
PP3	137.0	133.3	142.5	136.7	143.3	139.3	117.6	124.1	168.8	166.1	169.1	165.3	151.4	136.8	182.4	193.3	141.7	132.9	124.9	130.3

Mean vowel duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless fricative

	"set"/set				"vas"/fuss				"feit"/fête				"voet"/foot			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	127.1	130.5	124.1	136.9	156.3	162.8	130.5	139.3	151.2	161.8	225.6	189.0	99.3	117.0	111.8	144.9
AOS2	166.6	127.3	160.0	136.8	144.0	141.4	148.4	146.3	188.9	174.4	189.1	194.8	100.7	89.4	84.4	93.3
AOS3	144.6	113.8	129.3	113.3	192.7	156.6	181.3	147.5	198.0	168.2	181.9	196.4	108.6	67.8	77.9	74.4
N1	105.6	99.4	96.9	89.1	132.8	124.8	144.2	110.7	154.2	119.7	164.9	114.5	68.7	67.6	82.1	73.3
N2	129.3	113.5	125.3	110.4	150.4	132.9	155.4	141.7	144.7	122.6	155.1	133.3	67.6	55.8	106.2	87.8
N3	95.3	111.1	94.3	102.7	110.1	112.1	114.0	100.9	118.7	116.7	128.3	112.8	70.2	74.4	92.1	82.5
N4	104.2	100.7	109.9	102.5	126.9	113.5	118.5	116.7	134.3	120.5	157.9	121.4	82.8	54.9	89.6	69.8
N5	103.8	83.1	95.4	81.2	133.1	109.3	113.9	105.4	133.8	100.6	118.3	104.8	81.8	65.7	80.8	73.4
NGR	107.6	101.6	104.3	97.2	130.7	118.5	129.2	115.1	137.1	116.0	144.9	117.4	74.2	63.7	90.2	77.3
PP1	84.8	87.2	88.1	78.6	151.3	109.4	141.2	117.3	111.3	106.4	137.9	105.8	63.7	58.3	107.9	103.0
PP2	107.2	122.3	109.9	122.5	153.7	144.0	136.1	140.8	172.2	204.6	199.6	249.8	89.7	86.0	99.8	90.6
PP3	117.8	126.2	129.4	134.8	141.8	159.3	150.7	168.8	126.7	132.4	119.5	121.3	81.3	85.7	79.6	95.4

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Mean utterance duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless plosive

	"pak"/puck				"pet"/pet				"pit"/pit				"pad"/putt				"pap"/pup			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	585.1	537.9	575.4	624.6	490.0	528.7	675.4	548.8	753.4	523.9	544.5	518.9	582.1	586.7	565.8	549.6	461.2	410.8	498.0	440.7
AOS2	633.5	447.9	633.5	511.4	677.0	474.4	633.8	547.3	638.9	480.0	572.5	479.3	728.1	560.5	737.7	718.4	696.5	434.4	650.2	430.2
AOS3	360.4	324.0	363.3	295.7	407.3	316.7	409.1	317.5	429.9	322.2	361.5	286.4	399.3	364.3	431.1	439.2	308.4	346.8	328.0	383.3
N1	316.6	284.8	414.1	289.0	376.3	308.7	398.4	274.5	349.8	279.9	406.6	279.2	389.9	281.5	387.0	290.6	367.6	265.1	354.2	260.0
N2	419.6	392.5	487.2	362.5	459.4	391.5	514.9	462.1	448.9	397.8	517.6	401.6	419.2	357.8	450.3	356.8	402.2	363.8	366.2	349.1
N3	310.2	279.4	322.2	311.4	397.2	362.6	373.7	327.2	412.0	376.8	445.5	389.2	386.7	385.1	428.9	349.6	454.0	380.2	466.7	351.0
N4	457.8	342.8	467.8	381.7	472.1	394.4	511.1	421.4	459.8	406.2	453.5	382.7	483.7	401.8	527.6	381.1	423.0	371.9	476.3	374.0
N5	364.2	310.0	300.1	216.1	430.1	336.4	361.2	284.8	469.2	309.0	354.1	296.7	433.3	328.6	354.8	281.2	395.3	220.6	331.7	309.2
NGR	373.7	321.9	398.3	312.1	427.0	358.7	431.9	354.0	427.9	353.9	435.4	349.9	422.6	350.9	429.7	331.9	408.4	320.3	399.0	328.7
PP1	455.0	460.2	368.9	397.0	538.9	469.4	447.9	414.2	517.1	419.1	385.6	426.6	509.0	383.0	445.0	336.8	484.2	430.8	432.1	279.0
PP2	773.0	622.6	644.0	717.0	689.9	724.0	691.0	693.7	663.3	573.4	636.6	628.1	719.9	603.7	740.0	769.2	621.3	537.0	558.1	604.5
PP3	485.4	467.2	470.1	389.8	522.7	562.8	579.5	601.2	520.0	498.7	502.3	514.1	514.2	524.0	503.5	517.7	478.8	424.4	376.5	381.0

Mean utterance duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiced plosive

	"byt"/bait				"bak"/buck				"bas"/bus				"bek"/back				"bed"/bet			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	664.7	578.5	747.2	662.1	563.2	490.0	562.6	530.5	754.9	653.9	793.0	621.0	575.6	619.0	579.2	628.9	534.5	706.5	599.7	
AOS2	723.7	506.3	677.9	583.8	629.8	462.4	606.4	474.2	1053.8	615.1	702.8	621.0	693.5	484.3	576.4	547.1	750.5	528.7	657.5	598.1
AOS3	489.4	403.3	452.0	397.8	425.4	319.8	358.9	328.9	556.3	445.7	531.3	513.6	412.1	408.4	425.3	364.6	484.3	363.5	425.2	360.8
N1	432.9	321.0	458.3	319.1	397.0	293.1	402.6	307.8	457.0	336.1	448.5	303.6	371.9	315.1	419.5	299.1	353.8	301.0	393.1	293.4
N2	498.8	439.2	567.3	662.1	418.6	357.9	434.5	372.1	559.1	486.9	573.3	519.5	552.5	451.9	520.0	365.7	454.1	344.3	514.1	502.6
N3	415.6	332.5	481.7	351.3	365.6	301.8	345.6	295.0	407.0	342.2	408.3	317.0	364.9	324.0	385.4	300.5	397.8	362.6	366.1	331.8
N4	527.6	454.8	602.2	421.1	462.6	414.3	538.5	438.4	666.5	467.2	662.7	517.5	498.0	390.4	544.1	382.2	523.9	432.5	687.6	440.4
N5	475.0	379.9	367.5	310.7	435.9	276.1	281.5	259.0	635.1	555.8	580.3	395.0	483.1	294.8	345.9	335.7	417.4	386.5	396.9	333.9
NGR	470.0	385.5	495.4	412.9	415.9	328.6	400.5	334.4	544.9	437.6	534.6	410.5	454.1	355.3	443.0	336.6	429.4	365.4	471.6	380.4
PP1	586.6	479.6	505.4	424.3	493.0	436.5	437.9	189.6	525.1	454.7	433.3	595.2	633.7	455.1	455.3	375.6	593.2	423.1	426.0	383.9
PP2	770.2	695.3	814.8	798.5	625.6	601.1	674.6	708.3	783.4	629.6	775.5	786.8	704.7	706.1	668.0	709.9	670.3	664.3	674.9	693.1
PP3	570.8	596.0	603.1	427.7	523.1	456.7	548.2	489.9	754.5	637.6	700.7	624.7	495.2	466.5	538.1	505.4	532.7	516.1	500.1	546.5

Mean utterance duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless fricative

	"set"/set				"vas"/fuss				"feit"/fête				"voet"/foot			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	791.4	784.5	830.9	860.9	793.7	779.3	844.8	857.6	878.3	688.1	894.1	871.9	773.2	724.8	825.4	737.8
AOS2	919.0	673.0	758.9	716.2	953.7	831.1	894.6	855.5	801.6	759.4	910.5	938.3	805.5	590.6	720.3	612.3
AOS3	657.3	514.0	710.4	548.3	688.0	546.6	691.7	525.9	640.2	476.2	614.1	561.6	574.5	444.2	557.8	517.0
N1	574.2	432.8	603.0	419.0	682.6	460.1	654.7	412.5	626.1	410.8	616.2	412.0	563.1	374.7	541.5	347.8
N2	650.6	540.1	668.8	564.5	713.1	569.5	679.2	565.6	651.3	496.1	689.1	598.0	625.5	488.0	664.0	534.2
N3	564.6	440.8	541.3	481.3	518.0	389.7	511.1	388.3	528.8	440.6	583.2	424.7	497.2	442.7	476.7	396.3
N4	673.1	625.8	693.1	569.1	850.8	696.8	820.0	643.0	690.3	526.2	760.9	607.8	657.8	454.5	689.2	536.2
N5	599.3	398.0	498.0	374.1	732.3	508.2	703.8	434.8	584.1	408.0	532.8	395.3	528.2	444.6	466.1	385.2
NGR	612.4	487.5	600.8	481.6	699.3	524.9	673.8	488.8	616.1	456.4	636.4	487.6	574.4	440.9	567.5	439.9
PP1	783.5	551.2	592.7	594.3	786.6	601.4	748.1	598.6	764.6	544.2	649.1	481.6	725.2	565.1	574.7	583.9
PP2	756.0	724.7	852.7	831.2	824.6	788.7	987.2	866.0	883.5	807.4	898.5	911.0	691.5	818.5	801.5	743.8
PP3	672.0	550.8	595.4	550.6	744.8	640.0	648.2	759.6	594.6	610.6	565.1	586.6	564.9	540.2	602.8	541.2

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Mean utterance onset duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless plosive

	"pak"/puck				"pet"/pet				"pit"/pit				"pad"/putt				"pap"/pup			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	429.2	950.1	1128.6	845.9	756.6	484.5	1059.2	1425.0	957.6	1571.9	1193.1	1578.7	514.2	577.1	1174.3	1177.9	589.9	1029.8	675.4	763.5
AOS2	601.4	494.0	445.6	964.2	508.6	278.5	296.8	565.7	633.3	407.4	655.4	496.9	839.6	350.0	348.4	749.1	390.8	397.8	504.6	314.6
AOS3	311.8	165.8	176.9	185.3	390.1	227.0	620.1	432.2	475.7	204.7	211.8	244.8	340.1	402.0	262.3	272.1	534.9	248.3	178.5	147.8
N1	196.4	119.9	218.8	101.6	214.2	107.9	215.5	89.0	228.0	117.6	197.1	96.0	200.3	107.5	191.7	88.2	195.8	117.0	193.7	96.4
N2	191.7	101.4	186.1	136.7	212.2	121.1	195.3	109.9	201.5	121.1	178.8	119.2	203.2	115.1	171.0	125.9	182.0	118.4	179.9	122.4
N3	145.0	95.7	134.9	91.1	137.4	87.6	136.7	96.8	140.8	95.4	127.6	110.9	121.0	87.1	154.8	100.0	129.2	84.9	127.6	97.0
N4	229.2	179.3	200.0	177.2	208.9	168.9	234.0	162.7	234.1	152.5	184.3	155.6	261.2	187.6	189.3	173.8	213.3	178.0	186.6	153.4
N5	150.0	123.1	134.7	129.5	145.2	113.3	129.0	113.7	154.1	113.3	142.9	119.7	143.3	113.0	139.5	125.1	136.6	116.8	140.4	125.0
NGR	182.5	123.9	174.9	127.2	183.6	119.8	182.1	114.4	191.7	120.0	166.1	120.3	185.8	122.1	169.3	122.6	171.4	123.0	165.6	118.9
PP1	354.6	252.7	585.8	254.3	292.3	119.8	759.1	249.2	321.7	132.8	244.0	195.5	1133.6	112.0	326.2	160.1	902.5	262.5	520.8	213.2
PP2	1195.9	258.6	632.0	573.9	183.4	172.8	183.1	176.4	242.6	165.8	167.0	249.3	192.0	241.0	270.9	370.0	187.4	163.0	146.4	195.2
PP3	137.4	110.2	214.5	499.8	137.4	118.3	98.8	106.3	141.8	97.5	107.1	99.3	155.7	91.9	112.0	138.4	288.7	106.0	128.7	92.5

Mean utterance onset duration (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiced plosive

	"bat"/bait				"bak"/buck				"bas"/bus				"bek"/back				"bed"/bet			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	869.5	374.9	1691.8	2193.6	686.5	573.9	1792.1	1048.0	1483.6	1647.0	900.2	413.2	1382.2	693.4	2429.1	2025.6	376.7	254.0	1970.9	1274.9
AOS2	494.9	501.3	229.8	313.4	521.7	276.0	652.2	429.1	478.7	505.9	222.0	310.8	538.4	574.7	974.4	618.1	417.6	361.4	374.1	280.7
AOS3	337.0	122.3	265.4	398.3	395.8	191.4	280.1	149.8	308.6	315.2	243.9	406.6	354.6	141.4	222.1	457.1	208.4	263.2	141.7	174.8
N1	150.9	80.7	175.7	68.5	188.6	84.0	265.0	71.8	148.1	82.6	192.2	69.8	150.3	89.8	193.1	72.3	154.8	80.3	170.6	75.8
N2	171.9	84.0	144.6	84.9	165.9	91.2	154.3	105.8	150.3	86.4	147.8	87.6	169.9	98.1	131.4	90.6	171.4	84.2	155.9	83.8
N3	114.6	60.8	96.4	74.4	105.3	67.4	119.0	80.6	100.8	62.5	99.0	74.5	111.5	69.8	108.9	83.2	107.1	74.2	113.5	78.6
N4	153.0	133.8	166.4	113.1	139.7	129.0	155.1	111.4	136.2	122.3	114.6	105.3	149.4	118.5	136.8	114.9	133.9	109.6	132.0	129.8
N5	111.2	84.3	104.3	111.5	123.2	94.3	100.1	98.1	102.3	81.9	99.1	89.5	112.8	88.2	100.6	91.0	110.3	81.5	103.3	95.2
NGR	140.3	88.7	137.4	90.5	144.5	93.2	158.7	93.6	127.5	87.1	130.5	85.3	138.8	92.9	134.2	90.4	135.5	85.9	135.0	92.6
PP1	288.8	107.1	754.0	204.9	272.0	115.0	616.7	456.7	609.6	96.3	156.2	136.7	185.0	493.3	278.2	220.3	496.8	81.7	629.5	100.5
PP2	161.0	122.2	382.0	270.1	192.9	145.1	191.6	261.1	425.4	194.1	215.1	140.2	190.7	188.5	133.3	135.5	128.3	182.8	134.2	141.7
PP3	141.3	65.6	89.3	193.6	124.5	149.1	105.7	80.3	90.9	59.9	82.2	183.3	289.3	75.7	75.4	67.8	83.3	86.9	328.5	114.8

University of Pretoria, etd - Theron, K

Mean voice onset time (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiceless plosive

	"pak"/puck				"pet"/pet				"pit"/pit				"pad"/putt				"pap"/pup			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	27.8	27.8	31.0	25.5	24.5	23.9	28.8	25.9	20.6	30.7	29.0	30.1	26.4	24.8	30.5	32.7	20.5	20.4	24.4	26.5
AOS2	13.7	14.1	11.3	13.4	10.3	10.3	12.0	7.6	14.7	14.2	13.4	12.1	13.3	14.6	12.1	8.7	14.5	12.2	8.0	9.9
AOS3	10.5	11.2	22.2	15.1	13.1	8.6	19.9	19.7	12.4	10.2	18.0	14.8	11.5	14.5	35.7	14.3	12.5	9.1	25.9	12.8
N1	8.0	6.7	12.1	7.5	6.8	6.7	12.1	7.1	8.5	7.6	15.0	7.9	7.4	6.7	9.8	7.6	9.4	6.5	10.3	8.7
N2	11.1	13.8	12.3	11.3	10.9	13.7	14.3	11.9	11.2	9.9	11.9	12.4	15.1	11.7	12.5	12.5	12.4	11.7	10.9	11.9
N3	14.4	14.0	17.5	14.6	12.9	15.5	17.0	14.3	19.2	14.8	12.5	12.0	12.8	14.0	16.9	17.2	13.1	14.1	17.5	20.9
N4	14.3	12.4	9.3	9.5	12.6	10.6	12.8	13.7	11.7	12.3	15.1	13.1	12.3	9.7	10.3	9.6	10.1	10.0	10.1	9.7
N5	10.3	9.9	13.0	9.1	10.0	10.1	12.0	10.5	10.9	9.6	11.5	11.2	10.7	9.8	9.4	9.3	11.8	9.9	14.6	9.2
NGR	11.6	11.4	12.8	10.4	10.6	11.3	13.6	11.5	12.3	10.8	13.2	11.3	11.6	10.4	11.8	11.2	11.4	10.4	12.7	12.1
PP1	20.5	15.7	18.4	15.4	17.4	19.4	28.5	17.2	19.3	16.7	15.2	15.3	23.6	17.0	31.2	18.5	15.8	16.9	25.0	17.9
PP2	37.8	18.2	20.4	21.1	13.7	12.1	10.5	14.2	15.6	10.6	17.6	18.2	17.9	13.4	11.7	17.0	14.2	15.9	12.0	21.5
PP3	12.2	13.0	10.7	13.1	12.3	12.6	14.2	11.7	10.9	11.8	12.3	13.2	12.2	12.5	11.4	11.0	12.4	8.1	11.3	8.9

Mean voice onset time (in ms) of each subject's five repetitions of each utterance in each context for utterances beginning with a voiced plosive

	"byt"/bait				"bak"/buck				"bas"/bus				"bek"/back				"bed"/bet			
	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR	L1NR	L1FR	L2NR	L2FR
AOS1	27.6	-41.7	-110.4	22.9	16.4	7.3	-79.0	26.7	26.0	28.4	-58.1	-18.4	27.8	-4.6	3.0	-19.8	10.1	9.9	-9.9	-8.5
AOS2	8.4	13.3	12.2	9.3	11.1	13.8	11.4	6.3	-45.2	11.9	9.7	5.4	8.0	6.5	31.5	11.2	8.6	13.7	10.4	8.5
AOS3	-159.9	-71.7	1.9	-43.1	-154.0	-56.7	-46.7	-64.0	-141.7	-92.7	-60.7	-98.6	-58.7	-68.2	0.0	-54.3	-52.2	-82.2	9.8	-119.1
N1	1.2	-80.7	3.8	-68.5	4.6	-84.0	3.1	-57.4	-21.2	-82.6	7.9	-52.9	-23.0	-89.8	4.7	-72.3	6.3	-80.3	4.5	-75.8
N2	-63.8	-84.0	-85.7	-84.9	-165.9	-91.2	-123.5	-105.8	-150.0	-86.4	2.8	-87.6	-66.2	-98.1	-43.0	-64.5	-131.9	-84.2	-123.3	-62.0
N3	-114.6	-60.8	-96.4	-74.4	-81.3	-67.4	-77.7	-80.6	-100.8	-62.5	-78.1	-74.5	-111.5	-69.8	-108.9	-83.2	-107.1	-74.2	-113.5	-78.6
N4	-42.6	-21.8	-17.6	-96.3	-139.7	-82.0	-45.0	-111.4	-106.2	-106.3	-91.7	-105.3	-43.8	-80.2	-109.9	-114.9	-68.1	-93.4	-106.3	-85.1
N5	-101.5	-84.3	-104.3	-87.2	-123.2	-69.2	-100.1	-66.6	-102.3	-69.3	-99.1	-89.5	-112.8	-88.2	-100.6	-91.0	-110.3	-81.5	-103.3	-95.2
NGR	-64.3	-66.3	-60.0	-82.3	-101.1	-78.7	-68.6	-84.4	-96.1	-81.4	-51.6	-82.0	-71.5	-85.2	-71.6	-85.2	-82.2	-82.7	-88.4	-79.3
PP1	73.8	-37.1	86.0	14.2	141.7	-115.0	73.6	74.7	103.5	-83.3	99.5	26.8	143.7	-58.9	95.0	84.3	71.9	-62.6	118.7	71.7
PP2	7.3	17.7	6.8	11.5	3.7	8.9	2.5	7.7	8.0	10.8	15.4	8.4	11.4	25.4	13.4	10.8	8.6	10.0	22.0	10.3
PP3	141.3	68.5	89.3	66.9	71.2	149.1	105.7	80.3	90.9	59.9	82.2	-38.8	72.9	75.7	75.4	67.8	83.3	86.9	77.9	81.2