

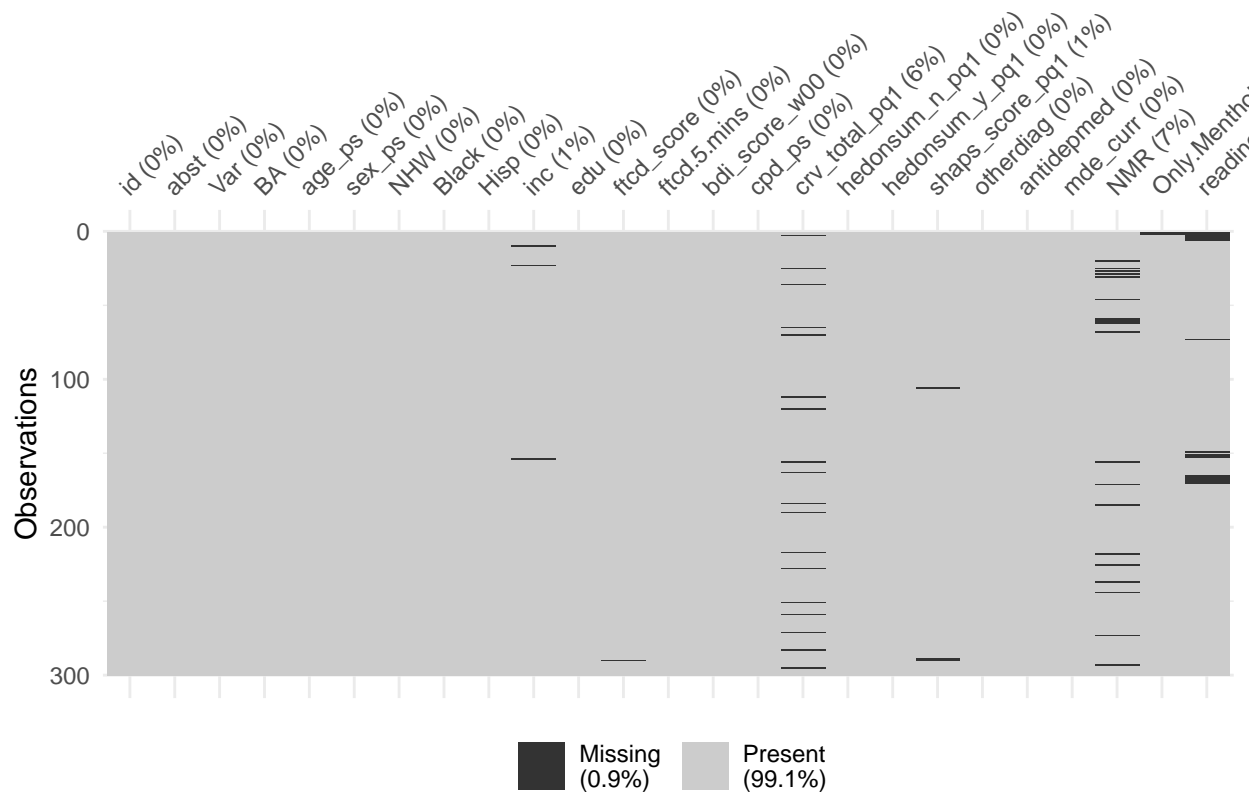
Project2 Report

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```
## # A tibble: 6 x 25
##       id abst  Var    BA age_ps sex_ps  NHW Black  Hisp   inc  edu ftcd_score
##   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1     1     0     0     0     33     2     1     0     0     4     5     6
## 2     2     0     1     1     61     1     0     1     0     2     4     4
## 3     3     0     1     0     43     2     0     1     0     2     3     3
## 4     4     1     1     1     56     2     1     0     0     1     4     4
## 5     5     0     1     1     38     2     1     0     0     4     5     4
## 6     6     0     1     1     35     1     1     0     0     5     5     3
## # i 13 more variables: ftcd.5.mins <dbl>, bdi_score_w00 <dbl>, cpd_ps <dbl>,
## #   crv_total_pq1 <dbl>, hedonsum_n_pq1 <dbl>, hedonsum_y_pq1 <dbl>,
## #   shaps_score_pq1 <dbl>, otherdiag <dbl>, antidepmed <dbl>, mde_curr <dbl>,
## #   NMR <dbl>, Only.Menthol <dbl>, readiness <dbl>
## [1] 300 25
```





```
## Rows: 300
## Columns: 25
## $ id      <dbl> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, ~
## $ abst    <dbl> 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, ~
## $ Var      <dbl> 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 1, 0, 1, ~
## $ BA       <dbl> 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, ~
## $ age_ps   <dbl> 33, 61, 43, 56, 38, 35, 53, 60, 25, 52, 33, 62, 52, 65, ~
## $ sex_ps   <dbl> 2, 1, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 1, 1, ~
## $ NHW      <dbl> 1, 0, 0, 1, 1, 1, 0, 1, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, ~
## $ Black    <dbl> 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 0, ~
## $ Hisp     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ inc      <dbl> 4, 2, 2, 1, 4, 5, 5, 1, 2, NA, 1, 1, 2, 5, 4, 1, 1, 1, ~
## $ edu      <dbl> 5, 4, 3, 4, 5, 5, 5, 5, 5, 4, 4, 4, 4, 5, 4, 2, 5, 4, ~
## $ ftcd_score <dbl> 6, 4, 3, 4, 4, 3, 4, 4, 7, 6, 4, 9, 6, 7, 7, 7, 6, 5, ~
## $ ftcd.5.mins <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, ~
## $ bdi_score_w00 <dbl> 36, 25, 28, 28, 22, 15, 18, 26, 34, 21, 29, 41, 24, 5, ~
## $ cpd_ps    <dbl> 10, 10, 10, 8, 17, 10, 11, 20, 18, 7, 8, 40, 20, 20, 2, ~
## $ crv_total_pq1 <dbl> 12, 2, NA, 1, 15, 8, 5, 8, 11, 8, 7, 4, 9, 14, 6, 9, 1, ~
## $ hedonsum_n_pq1 <dbl> 22, 22, 9, 38, 25, 25, 37, 3, 8, 0, 12, 25, 10, 11, 0, ~
## $ hedonsum_y_pq1 <dbl> 29, 16, 4, 2, 13, 9, 0, 16, 37, 37, 42, 13, 21, 62, 38, ~
## $ shaps_score_pq1 <dbl> 6, 0, 3, 2, 0, 3, 3, 1, 7, 0, 7, 1, 4, 0, 3, 1, 2, 5, ~
## $ otherdiag <dbl> 1, 0, 1, 0, 0, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, ~
## $ antidepmed <dbl> 1, 0, 0, 1, 0, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, ~
## $ mde_curr  <dbl> 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 1, 1, 0, 1, 1, 1, 0, ~
## $ NMR       <dbl> 1.18967996, 0.72562408, 0.15200885, 1.59360038, 0.3379, ~
## $ Only.Menthol <dbl> NA, NA, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 1, ~
## $ readiness <dbl> NA, NA, NA, NA, NA, NA, 6, 5, 7, 6, 8, 7, 7, 7, 6, 6, ~
```

Missing Data Summary for Smoking Sessation

Variables	Missing Values	Percentage Missing (%)
Income	3	1.00
FTCD Score at Baseline	1	0.33
Cigarette Reward Value at Baseline	18	6.00
Anhedonia	3	1.00
Nicotine Metabolism Ratio	21	7.00
Exclusive Mentholated Cigarette User	2	0.67
Baseline Readiness to Quit Smoking	17	5.67
Total	65	21.67

Correlation of Smoking Cessation

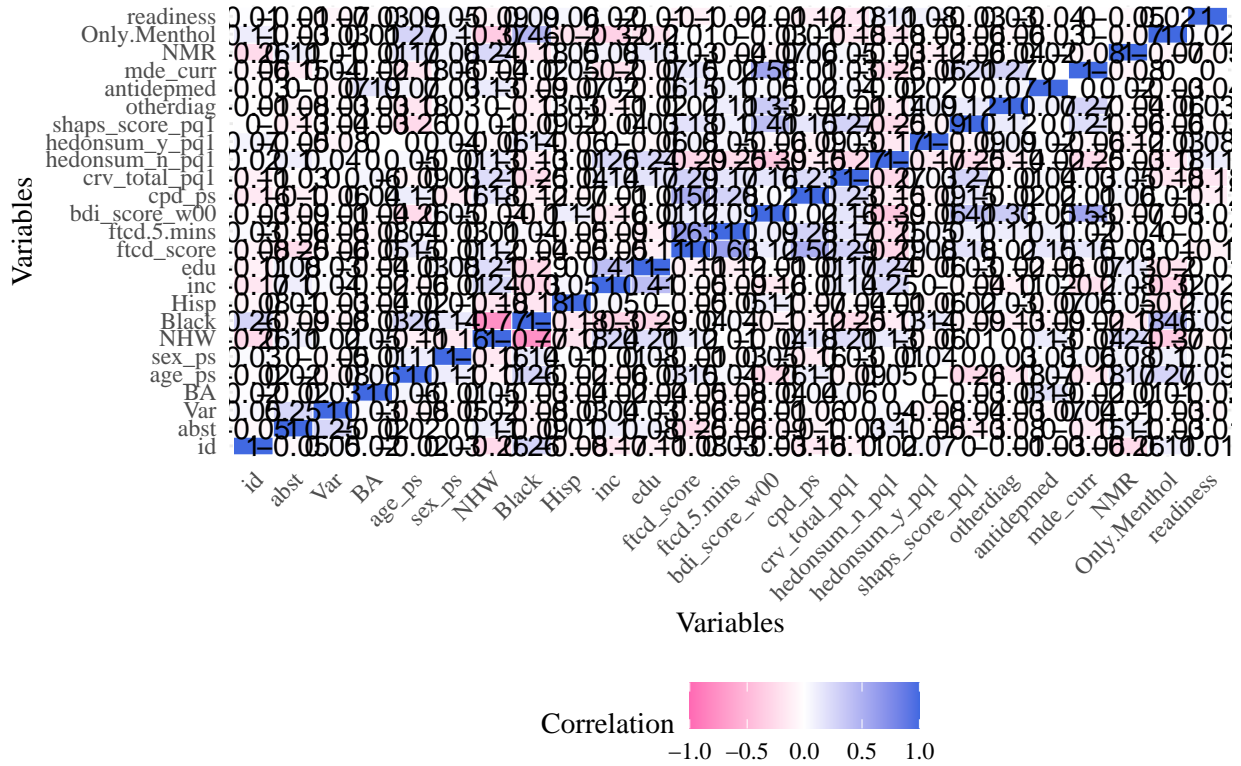


Table 1: Significant Chi-Square Test Results

	Variable 1	Variable 2	Chi-Square	Degrees of Freedom	P-Value
X-squared	abst	abst	294.07	1	0.00
X-squared1	abst	Var	21.86	1	0.00
X-squared4	abst	NHW	5.73	1	0.02
X-squared9	abst	ftcd_score	40.49	10	0.00
X-squared16	abst	Var	21.86	1	0.00
X-squared19	abst	NHW	5.73	1	0.02
X-squared24	abst	ftcd_score	40.49	10	0.00
X-squared54	BA	antidepmed	7.02	1	0.01
X-squared58	sex_ps	NHW	6.22	1	0.01

	Variable 1	Variable 2	Chi-Square	Degrees of Freedom	P-Value
X-squared59	sex_ps	Black	4.52	1	0.03
X-squared69	sex_ps	readiness	19.34	7	0.01
X-squared70	NHW	Black	174.14	1	0.00
X-squared71	NHW	Hispanic	8.74	1	0.00
X-squared72	NHW	inc	24.42	4	0.00
X-squared73	NHW	edu	22.69	4	0.00
X-squared77	NHW	antidepmed	4.49	1	0.03
X-squared79	NHW	Only.Menthhol	53.88	1	0.00
X-squared80	NHW	readiness	15.96	7	0.03
X-squared81	Black	Hispanic	11.35	1	0.00
X-squared82	Black	inc	35.59	4	0.00
X-squared83	Black	edu	39.18	4	0.00
X-squared89	Black	Only.Menthhol	69.77	1	0.00
X-squared90	Black	readiness	14.14	7	0.05
X-squared98	Hispanic	Only.Menthhol	6.78	1	0.01
X-squared100	inc	edu	95.34	16	0.00
X-squared101	inc	ftcd_score	64.17	40	0.01
X-squared105	inc	mde_curr	15.24	4	0.00
X-squared106	inc	Only.Menthhol	36.66	4	0.00
X-squared108	edu	ftcd_score	72.41	40	0.00
X-squared109	edu	ftcd.5.mins	10.62	4	0.03
X-squared113	edu	Only.Menthhol	28.65	4	0.00
X-squared115	ftcd_score	ftcd.5.mins	129.90	10	0.00
X-squared118	ftcd_score	mde_curr	19.75	10	0.03
X-squared127	otherdiag	mde_curr	24.59	1	0.00
X-squared135	Only.Menthhol	readiness	23.38	7	0.00