" \nThis classification is a multivariate statistical\n";

"summary of a neurometric evaluation and serves only\n";

"as an adjunct to other clinical evaluations\n";

void do\_normal\_ld\_discriminant(void)

switch (discrim->normal\_learning\_disabled)

case L\_NORMAL:

"This patient's discriminant scores do not ";

print\_confidence\_level(discrim->normal\_learning\_disabled\_confidence);

"\nsuggest the presence of a Learning Disability\n\n";

print\_contrib("LD Statement",discrim->con\_norm\_ld);

break;

case L\_LEARNING\_DISABLED:

"This patient's discriminant scores suggest ";

print\_confidence\_level(discrim->normal\_learning\_disabled\_confidence);

"\nthe presence of a Learning Disability\n\n";

print\_contrib("LD Statement",discrim->con\_norm\_ld);

break;

case L\_GUARD:

"This patient's discriminant scores do not\n";

"allow a confident determination\n";

"of the presence of a Learning Disability\n";

break;

void do\_normal\_mad\_discriminant(void)

switch (discrim->normal\_mad)

case D\_NORMAL:

switch (discrim->normal\_abnormal) //maybe this discriminant thinks normal,but...

case N\_NORMAL:

case N\_GUARD:

"This patient's discriminant scores do not ";

print\_confidence\_level(discrim->normal\_mad\_confidence);

"\nsuggest the presence of a \n";

"Major Affective Disorder\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not ";

print\_confidence\_level(discrim->normal\_mad\_confidence);

"\nsuggest the presence of a Major Affective Disorder.\n";

"However, this patient's scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n\n";

print\_contrib("Abnormal Statement",

discrim->con\_normal\_abnormal);

break;

break;

case D\_DEPRESSED: // ok, Major Affective disorder, but what kind?

"This patient's discriminant scores suggest the presence of\n";

"a Major Affective Disorder ";

print\_confidence\_level(discrim->normal\_mad\_confidence);

switch (discrim->uni\_bi)

case U\_UNIPOLAR:

"of the Unipolar subtype ";

print\_confidence\_level(discrim->uni\_bi\_confidence);

if (discrim->uni\_alcoholic == A\_ALCOHOLIC)

"(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_depressed);

print\_contrib("Unipolar Statement", discrim->con\_uni\_bi);

if (discrim->uni\_alcoholic == A\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_uni\_alcoholic);

break;

case U\_BIPOLAR:

"of the Bipolar subtype ";

print\_confidence\_level(discrim->uni\_bi\_confidence);

if (discrim->bip\_alcoholic == B\_ALCOHOLIC)

"(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_depressed);

print\_contrib("Bipolar statement",discrim->con\_uni\_bi);

if (discrim->bip\_alcoholic == A\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_bip\_alcoholic);

break;

case U\_GUARD:

"However, subclassification as a\n";

“Unipolar or Bipolar disorder cannot be made\n";

"with confidence.";

if (discrim->mad\_alcoholic == M\_ALCOHOLIC)

"(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_depressed);

if (discrim->mad\_alcoholic == M\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_dep\_alcoholic);

break;

break;

case D\_GUARD: // can't tell by this discriminant, let's just see how normal they are...

switch (discrim->normal\_abnormal)

case N\_NORMAL:

"This patient's scores do not suggest\n";

"the presence of a Major Affective Disorder\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not allow\n";

"a confident determination\n";

"of the presence of a Major Affective Disorder.\n";

"However, this patient's scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n\n";

print\_contrib("Abnormal statement", discrim->con\_normal\_abnormal);

break;

case N\_GUARD:

"This patient's discriminant scores do not allow\n";

"a confident determination of the presence of\n";

"a Major Affective Disorder.\n";

break;

void do\_normal\_mad\_dementia\_discriminant(void)

switch (discrim->normal\_mad\_demented)

case MD\_NORMAL:

"This patient's discriminant scores do not";

print\_confidence\_level(discrim->normal\_mad\_confidence);

"\nsuggest the presence of a Major Affective Disorder\n";

"or Primary Degenerative Dementia.\n";

break;

case MD\_MAD\_AND\_DEMENTED:

case MD\_MAD:

"This patient's discriminant scores suggest\n";

"the presence of a Major Affective Disorder ";

print\_confidence\_level(discrim->normal\_mad\_confidence);

"\n";

switch (discrim->uni\_bi)

case U\_UNIPOLAR:

"of the Unipolar subtype ";

print\_confidence\_level(discrim->uni\_bi\_confidence);

if (discrim->uni\_alcoholic == A\_ALCOHOLIC)

"\n(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_dep\_dem);

print\_contrib("Unipolar Statement", discrim->con\_uni\_bi);

if (discrim->uni\_alcoholic == A\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_uni\_alcoholic);

break;

case U\_BIPOLAR:

"of the Bipolar subtype ";

print\_confidence\_level(discrim->uni\_bi\_confidence);

if (discrim->bip\_alcoholic == B\_ALCOHOLIC)

"\n(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_dep\_dem);

print\_contrib("Bipolar Statement", discrim->con\_uni\_bi);

if (discrim->bip\_alcoholic == A\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_bip\_alcoholic);

break;

case U\_GUARD:

"\n However, subclassification as a Unipolar or Bipolar\n";

"disorder cannot be made with confidence.\n";

if (discrim->mad\_alcoholic == M\_ALCOHOLIC)

"\n(rule out alcohol abuse)";

"\n\n";

print\_contrib("Major Affective Disorder statement",

discrim->con\_norm\_dep\_dem);

if (discrim->mad\_alcoholic == M\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",

discrim->con\_dep\_alcoholic);

break;

if (discrim->normal\_mad\_demented == MD\_MAD) break;

case MD\_DEMENTED:

"This patient's discriminant scores suggest\n";

"the presence of Primary Degenerative Dementia. ";

print\_confidence\_level(discrim->normal\_demented\_confidence);

if (discrim->demented\_alcoholic == E\_ALCOHOLIC)

"\n(rule out alcohol abuse).";

if (discrim->vascular\_nonvascular == VASCULAR)

"\n(Consider vascular etiology).";

"\n\n";

print\_contrib("Dementia statement",

discrim->con\_norm\_dep\_dem);

if (discrim->demented\_alcoholic == E\_ALCOHOLIC)

print\_contrib("Alcohol ruleout",discrim->con\_dem\_alcoholic);

if (discrim->vascular\_nonvascular == VASCULAR)

print\_contrib("Vascular statement",

discrim->con\_vasc\_nonvasc);

break;

case MD\_GUARD:

switch (discrim->normal\_abnormal)

case N\_NORMAL:

"This patient's discriminant scores do not suggest\n";

"a Major Affective Disorder or Primary Degenerative Dementia.\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not suggest\n";

"the presence of a Major Affective Disorder or Dementia.\n";

"However, this patient's scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n\n";

print\_contrib("Abnormal statement",

discrim->con\_normal\_abnormal);

break;

case N\_GUARD:

"This patient's discriminant scores do not allow a\n";

"determination of the presence of a Major Affective Disorder\n";

"or Primary Degenerative Dementia.\n";

break;

break;

void do\_normal\_abnormal\_discriminant(void)

switch (discrim->normal\_abnormal)

case N\_UNKNOWN:

"At this time there is no appropriate discriminant function\n";

"to evaluate this patient's data\n";

break;

case N\_NORMAL:

"This patient's discriminant scores lie within";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores lie outside";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nof the normal limits expected for an individual of this age.\n\n";

print\_contrib("Abnormal Statement",discrim->con\_normal\_abnormal);

break;

case N\_GUARD:

"This patient's discriminant scores do not allow\n";

"a confident determination of the presence of abnormalities.\n";

break;

void do\_normal\_schizophrenic\_discriminant(void)

switch (discrim->normal\_schizophrenic)

case S\_NORMAL: //normal by this discriminant, but NORMAL????

switch (discrim->normal\_abnormal)

case N\_NORMAL:

case N\_GUARD:

"This patient's discriminant scores do not";

print\_confidence\_level(discrim->normal\_schizophrenic\_confidence);

"\nsuggest the presence of chronic schizophrenia.\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not suggest\n";

"the presence of chronic schizophrenia.\n";

"However, this patient's scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n\n";

print\_contrib("Abnormal Statement",

discrim->con\_normal\_abnormal);

case SCHIZOPHRENIC:

"This patient's discriminant scores suggest the presence\n";

"of chronic schizophrenia. ";

print\_confidence\_level(discrim->normal\_schizophrenic\_confidence);

"\n";

print\_contrib("Schizophrenic statement",discrim->con\_norm\_schizo);

break;

case S\_GUARD:

switch (discrim->normal\_abnormal)

case N\_NORMAL:

"This patient's discriminant scores do not suggest the presence of\n";

"chronic schizophrenia\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not allow a confident\n";

"determination of the presence of chronic schizophrenia.\n";

"However, the patient's scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

print\_contrib("Abnormal statement",

discrim->con\_normal\_abnormal);

break;

case N\_GUARD:

"This patient's discriminant scores do not allow a confident\n";

"determination of the presence of chronic schizophrenia.\n";

break;

break;

void do\_mild\_head\_injury\_discriminant (void)

switch (discrim->normal\_mild\_headinjured)

case MH\_NORMAL:

switch (discrim->normal\_abnormal)

case N\_NORMAL:

"This patient's discriminant scores lie within ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

"Post-concussive syndrome is not ";

print\_confidence\_level(discrim->normal\_mild\_headinjured\_confidence);

" indicated.\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

"However, post-concussive syndrome is not ";

print\_confidence\_level(discrim->normal\_mild\_headinjured\_confidence);

" indicated\n\n";

print\_contrib("Abnormal statement", discrim->con\_normal\_abnormal);

break;

case N\_GUARD:

"This patient's discriminant scores do not allow a confident\n";

"determination of the presence of abnormality.\n";

break;

break;

case MH\_HEADINJURED:

switch (discrim->normal\_abnormal)

case N\_NORMAL:

case N\_GUARD:

"This patient's discriminant scores suggest the presence\n";

"of post-concussive syndrome ";

print\_confidence\_level(discrim->normal\_mild\_headinjured\_confidence);

"\n\n";

print\_contrib("Closed Head Injury statement",

discrim->con\_norm\_headinjury);

break;

case N\_ABNORMAL:

"This patient's discriminant scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

"Discriminant scores suggest the presence of\n";

"post-concussive syndrome.";

print\_confidence\_level(discrim->normal\_mild\_headinjured\_confidence);

"\n\n";

print\_contrib("Abnormal statement",

discrim->con\_normal\_abnormal);

print\_contrib("Closed Head Injury statement",

discrim->con\_norm\_headinjury);

break;

case MH\_GUARD:

switch (discrim->normal\_abnormal)

case N\_NORMAL:

case N\_GUARD:

"This patient's discriminant scores do not allow a confident\n";

"determination of the presence of post-concussive syndrome.\n";

break;

case N\_ABNORMAL:

"This patient's discriminant scores do not allow a confident\n";

"determination of the presence of post-concussive syndrome.\n";

"However, discriminant scores lie outside ";

print\_confidence\_level(discrim->normal\_abnormal\_confidence);

"\nthe normal limits expected for an individual of this age.\n";

print\_contrib("Abnormal statement",

discrim->con\_normal\_abnormal);

break;