

1
00:00:00,000 --> 00:00:03,870
data before the emotional picture so

2
00:00:02,370 --> 00:00:10,530
means your eyes closed more which means

3
00:00:03,870 --> 00:00:13,739
people are blinking more you could also

4
00:00:10,529 --> 00:00:16,198
ask a question about which which

5
00:00:13,740 --> 00:00:18,259
direction people tend to look before the

6
00:00:16,199 --> 00:00:20,340
picture arises and that's because

7
00:00:18,260 --> 00:00:21,720
right-handed subjects tend to look to

8
00:00:20,339 --> 00:00:24,629
the left when answering effective

9
00:00:21,719 --> 00:00:26,848
questions and as shown in the brain hear

10
00:00:24,629 --> 00:00:29,820
that when if you're simply ask somebody

11
00:00:26,849 --> 00:00:31,589
to let their eyes wander and you tell

12
00:00:29,820 --> 00:00:33,359
them to think about an emotional picture

13
00:00:31,589 --> 00:00:35,009
or to actually look at emotional picture

14
00:00:33,359 --> 00:00:36,479
their eyes will tend to move to the left

15
00:00:35,009 --> 00:00:38,099
because the right half of the brain is

16
00:00:36,479 --> 00:00:40,140
doing most of the emotional processing

17
00:00:38,100 --> 00:00:42,210
so a question here is well do they also

18
00:00:40,140 --> 00:00:44,969
look to the left before they see a

19
00:00:42,210 --> 00:00:48,090
randomly selected effective picture so

20
00:00:44,969 --> 00:00:50,760
we're looking at here are the five

21
00:00:48,090 --> 00:00:52,379
percent of most calm trials the comest

22
00:00:50,759 --> 00:00:54,420
of the calm trials that people looked at

23
00:00:52,378 --> 00:00:56,299
and then the vertical axis is lies

24
00:00:54,420 --> 00:00:58,530
moving to the left and to the right

25
00:00:56,299 --> 00:01:00,808
here's where the trial begins there's

26
00:00:58,530 --> 00:01:02,760
where the stimulus is and the eye moves

27
00:01:00,808 --> 00:01:04,679
pretty much flat it moves a little bit

28
00:01:02,759 --> 00:01:07,219
to the left but not very much for calm

29

00:01:04,680 --> 00:01:09,510
trials but for emotional trials it

30
00:01:07,219 --> 00:01:11,340
actually moves significantly to the left

31
00:01:09,510 --> 00:01:13,439
and of course once they see the picture

32
00:01:11,340 --> 00:01:15,540
the eye moves a lot to the left but even

33
00:01:13,438 --> 00:01:17,069
before hand and what this is important

34
00:01:15,540 --> 00:01:18,810
because it means that people are not

35
00:01:17,069 --> 00:01:20,758
simply responding to the emotionality of

36
00:01:18,810 --> 00:01:21,990
their their future but they're also

37
00:01:20,759 --> 00:01:24,180
responding to something about the

38
00:01:21,989 --> 00:01:26,209
content of it as well there's like the

39
00:01:24,180 --> 00:01:28,680
right hat right half of the brain is

40
00:01:26,209 --> 00:01:30,179
going into emotional processing and

41
00:01:28,680 --> 00:01:31,860
their eyes are then tending to move into

42
00:01:30,180 --> 00:01:34,200
that direction these are pretty small

43
00:01:31,859 --> 00:01:36,289

degrees of deviation by the way but

44

00:01:34,200 --> 00:01:38,490

nevertheless it's a significant result

45

00:01:36,290 --> 00:01:42,409

the other thing that we can look at is

46

00:01:38,489 --> 00:01:44,819

we know as who mentioned yesterday

47

00:01:42,409 --> 00:01:47,640

somebody mentioned yesterday that Oh

48

00:01:44,819 --> 00:01:49,739

Todd Richards mentioned that if you're

49

00:01:47,640 --> 00:01:51,689

imagine if you're told to imagine

50

00:01:49,739 --> 00:01:53,578

something and you track how your eyes

51

00:01:51,688 --> 00:01:54,959

move your eyes will move in the way that

52

00:01:53,578 --> 00:01:58,139

tracks what's going on inside your head

53

00:01:54,959 --> 00:01:59,908

so it's a way of getting an external

54

00:01:58,140 --> 00:02:01,649

objective measure of something which is

55

00:01:59,909 --> 00:02:03,180

actually completely subjective namely

56

00:02:01,649 --> 00:02:05,700

your imagery so if i asked you to

57

00:02:03,180 --> 00:02:07,710

imagine a snake and we attract your eye

58
00:02:05,700 --> 00:02:10,409
movements you'd get some kind of

59
00:02:07,709 --> 00:02:12,060
squiggle if we then ask you to look at a

60
00:02:10,409 --> 00:02:13,259
snake and we track your eye movements

61
00:02:12,060 --> 00:02:15,688
you get some kind of squiggle

62
00:02:13,259 --> 00:02:17,578
and we can then compare them and do a

63
00:02:15,688 --> 00:02:19,979
correlation to see the degree to which

64
00:02:17,579 --> 00:02:21,120
they match and so if you do these kinds

65
00:02:19,979 --> 00:02:23,429
of experiments you see a positive

66
00:02:21,120 --> 00:02:25,200
correlation between I've movements of

67
00:02:23,430 --> 00:02:26,519
things inside your head versus eye

68
00:02:25,199 --> 00:02:28,199
movements of things are looking out in

69
00:02:26,519 --> 00:02:31,590
the world and that allows us in this

70
00:02:28,199 --> 00:02:33,089
experiment to see whether I've movements

71
00:02:31,590 --> 00:02:35,098
before seeing a picture match the eye

72
00:02:33,090 --> 00:02:37,259
movements while seeing a picture and if

73
00:02:35,098 --> 00:02:38,609
that occurs it suggests that people are

74
00:02:37,259 --> 00:02:41,489
not getting just the emotional content

75
00:02:38,610 --> 00:02:43,230
not just the brain working but you're

76
00:02:41,489 --> 00:02:46,349
you're beginning to actually get an

77
00:02:43,229 --> 00:02:48,268
image of what you're about to see which

78
00:02:46,348 --> 00:02:50,340
which it goes further and further in the

79
00:02:48,269 --> 00:02:52,139
direction of your getting both the

80
00:02:50,340 --> 00:02:55,139
emotional content and the actual image

81
00:02:52,139 --> 00:02:58,109
of the future itself so here's the

82
00:02:55,139 --> 00:03:00,480
person looking into the future you get

83
00:02:58,109 --> 00:03:01,920
some kind of a squiggle before they look

84
00:03:00,479 --> 00:03:05,068
at it and while they're looking at it

85
00:03:01,919 --> 00:03:06,719
and if you take a group of five people

86

00:03:05,068 --> 00:03:09,089
the five people in this experiment who

87
00:03:06,719 --> 00:03:11,459
did the worst they got as close to

88
00:03:09,090 --> 00:03:13,348
chance as possible the correlation and

89
00:03:11,459 --> 00:03:15,229
the two squiggles that they get is very

90
00:03:13,348 --> 00:03:17,399
close to zero is non significant effect

91
00:03:15,229 --> 00:03:20,219
we take the five people to show the

92
00:03:17,400 --> 00:03:22,230
strongest result you get a very small

93
00:03:20,219 --> 00:03:24,628
but positive correlation which turned

94
00:03:22,229 --> 00:03:28,078
out to be statistically significant so

95
00:03:24,628 --> 00:03:30,840
the answer to the question is yes weakly

96
00:03:28,079 --> 00:03:34,340
I movements before do match the eye

97
00:03:30,840 --> 00:03:36,840
movements afterwards to a small degree

98
00:03:34,340 --> 00:03:38,519
well what is presentiments see does it

99
00:03:36,840 --> 00:03:41,699
see the probable future or the actual

100
00:03:38,519 --> 00:03:44,909

future this is something that Garrett

101

00:03:41,699 --> 00:03:47,069

was leading towards and I have to

102

00:03:44,909 --> 00:03:49,859

acknowledge an abortus who was an intern

103

00:03:47,068 --> 00:03:53,310

at ions who can help me conduct this

104

00:03:49,859 --> 00:03:55,260

experiment well what do you see well

105

00:03:53,310 --> 00:03:57,299

here's now there's the future one thing

106

00:03:55,259 --> 00:03:59,250

we might see is when a precognition

107

00:03:57,299 --> 00:04:01,560

occurs we're looking at superposed

108

00:03:59,250 --> 00:04:03,628

futures we're looking at possibilities

109

00:04:01,560 --> 00:04:06,150

in the future but were able to see them

110

00:04:03,628 --> 00:04:07,679

directly and that's that's what we get

111

00:04:06,150 --> 00:04:09,510

back and because of the uncertainty of

112

00:04:07,680 --> 00:04:12,000

the future events this is why

113

00:04:09,509 --> 00:04:13,978

precognition isn't so good because we're

114

00:04:12,000 --> 00:04:17,608

seeing an inherently uncertain future

115
00:04:13,979 --> 00:04:21,389
another possibility is that there's one

116
00:04:17,608 --> 00:04:24,810
single preordained future but we see it

117
00:04:21,389 --> 00:04:26,850
through a glass darkly we see it through

118
00:04:24,810 --> 00:04:28,860
a perceptual process which is distorted

119
00:04:26,850 --> 00:04:31,020
so that's why precognition is not always

120
00:04:28,860 --> 00:04:32,400
one hundred percent and another

121
00:04:31,019 --> 00:04:35,389
possibility similar to the first one

122
00:04:32,399 --> 00:04:37,979
where what we see in the present are

123
00:04:35,389 --> 00:04:39,990
probabilities of things and the future

124
00:04:37,980 --> 00:04:41,100
is actually completely indeterminate but

125
00:04:39,990 --> 00:04:44,550
in the present there's always the

126
00:04:41,100 --> 00:04:46,950
likelihood of things about to occur and

127
00:04:44,550 --> 00:04:49,590
in this case precognition is not perfect

128
00:04:46,949 --> 00:04:52,050
because there are only potentials of

129
00:04:49,589 --> 00:04:53,879
things about to unfold so here's the

130
00:04:52,050 --> 00:04:55,319
original presentiments I'm where you

131
00:04:53,879 --> 00:04:57,449
press a button and there are six hundred

132
00:04:55,319 --> 00:04:58,709
possible targets and then sometime in

133
00:04:57,449 --> 00:05:01,920
the future one of them is randomly

134
00:04:58,709 --> 00:05:03,959
selected so we do a new design where you

135
00:05:01,920 --> 00:05:06,000
when you press a button to begin only

136
00:05:03,959 --> 00:05:07,500
two targets are selected one is

137
00:05:06,000 --> 00:05:08,579
emotional and one is calm but they're

138
00:05:07,500 --> 00:05:11,550
assigned different a priori

139
00:05:08,579 --> 00:05:13,829
probabilities so when the when you the

140
00:05:11,550 --> 00:05:15,629
future arrives according to these

141
00:05:13,829 --> 00:05:18,389
probabilities the target is actually

142
00:05:15,629 --> 00:05:21,750
selected and what this allows us to do

143

00:05:18,389 --> 00:05:23,939
then is the following eighty percent of

144
00:05:21,750 --> 00:05:26,220
the time by design the probable and the

145
00:05:23,939 --> 00:05:28,740
actual futures are the same probable to

146
00:05:26,220 --> 00:05:30,480
actual and that that's what the original

147
00:05:28,740 --> 00:05:33,449
experiment was and it actually doesn't

148
00:05:30,480 --> 00:05:34,860
tell us anything new but the so we can't

149
00:05:33,449 --> 00:05:36,959
distinguish between the probable in the

150
00:05:34,860 --> 00:05:39,360
actual future but twenty percent of the

151
00:05:36,959 --> 00:05:42,209
time you get a crossover a probable

152
00:05:39,360 --> 00:05:44,580
emotional event becomes actually common

153
00:05:42,209 --> 00:05:45,839
a probable calm becomes actual emotional

154
00:05:44,579 --> 00:05:47,969
and under those conditions we can

155
00:05:45,839 --> 00:05:49,589
distinguish between what is what is

156
00:05:47,970 --> 00:05:51,510
pulling the precognition is it the

157
00:05:49,589 --> 00:05:55,229

probable present or is it the actual

158

00:05:51,509 --> 00:05:57,300

future so the first case is this what

159

00:05:55,230 --> 00:05:59,370

you're being attracted to is in the

160

00:05:57,300 --> 00:06:00,569

present the probable present so even if

161

00:05:59,370 --> 00:06:02,519

the future turned out to be a bunny

162

00:06:00,569 --> 00:06:04,349

you're going to be you're going to show

163

00:06:02,519 --> 00:06:06,120

an emotional response because you're

164

00:06:04,350 --> 00:06:08,189

looking at a snake or you're looking at

165

00:06:06,120 --> 00:06:10,680

the probable presence of a snake and the

166

00:06:08,189 --> 00:06:12,269

other possibility is that it doesn't

167

00:06:10,680 --> 00:06:13,800

matter what the probabilities are in the

168

00:06:12,269 --> 00:06:15,810

present you're only attracted to the

169

00:06:13,800 --> 00:06:18,900

future event so when you do this

170

00:06:15,810 --> 00:06:22,790

experiment it turns out that this is the

171

00:06:18,899 --> 00:06:25,739

case this line shows the present

172
00:06:22,790 --> 00:06:29,610
probable calm turning into an emotional

173
00:06:25,740 --> 00:06:31,680
future and this line shows the probable

174
00:06:29,610 --> 00:06:34,830
emotional present turning into an actual

175
00:06:31,680 --> 00:06:36,959
calm and given that the the way that

176
00:06:34,829 --> 00:06:40,120
this is separated this is a significant

177
00:06:36,959 --> 00:06:41,769
difference here this says

178
00:06:40,120 --> 00:06:44,319
that the seer is seeing the actual

179
00:06:41,769 --> 00:06:47,978
future and as independent of the

180
00:06:44,319 --> 00:06:49,569
probable present you see why because

181
00:06:47,978 --> 00:06:51,728
here we are in the present this is the

182
00:06:49,569 --> 00:06:53,889
one that's pulling pupil dilation up

183
00:06:51,728 --> 00:06:57,430
even though in the president it was calm

184
00:06:53,889 --> 00:07:01,180
and here we are with a probable or

185
00:06:57,430 --> 00:07:03,160
actual calm future and that is its pupil

186
00:07:01,180 --> 00:07:04,780
dilation is lower so this is a way of

187
00:07:03,160 --> 00:07:06,880
discriminating in this kind of

188
00:07:04,779 --> 00:07:09,069
presentiments periment as to what it is

189
00:07:06,879 --> 00:07:13,060
the seer is seeing they're seeing the

190
00:07:09,069 --> 00:07:14,918
actual future so now this other

191
00:07:13,060 --> 00:07:18,129
experiment involving mind matter

192
00:07:14,918 --> 00:07:21,990
interaction at the at the quantum level

193
00:07:18,129 --> 00:07:21,990
or at least at the level of photons

194
00:07:22,379 --> 00:07:26,740
you're probably all familiar with what

195
00:07:24,519 --> 00:07:29,439
happens if you shine a light through or

196
00:07:26,740 --> 00:07:32,129
send electrons through a single slit you

197
00:07:29,439 --> 00:07:34,719
get a particulate form of a distribution

198
00:07:32,129 --> 00:07:36,459
and if you send it through a double slit

199
00:07:34,720 --> 00:07:38,560
you get an interference pattern this is

200

00:07:36,459 --> 00:07:42,819
the way of demonstrating very easily the

201
00:07:38,560 --> 00:07:44,259
particle wave duality of light you

202
00:07:42,819 --> 00:07:46,360
probably also know then and if you take

203
00:07:44,259 --> 00:07:48,250
a system that you present a single

204
00:07:46,360 --> 00:07:50,020
electron or a single photon at a time

205
00:07:48,250 --> 00:07:53,709
through a double slit you might expect

206
00:07:50,019 --> 00:07:55,418
to get shadows of slits behind it but in

207
00:07:53,709 --> 00:07:57,339
fact you don't get that what you get is

208
00:07:55,418 --> 00:07:59,079
an interference pattern again showing

209
00:07:57,339 --> 00:08:01,449
that there's something inherent in the

210
00:07:59,079 --> 00:08:04,750
in what appears to be a particle which

211
00:08:01,449 --> 00:08:06,370
actually has a wave-like structure but

212
00:08:04,750 --> 00:08:08,589
it's much more curious than that because

213
00:08:06,370 --> 00:08:10,030
if you take a double slit system and you

214
00:08:08,589 --> 00:08:12,848

get an interference pattern but now you

215

00:08:10,029 --> 00:08:15,668

ask somebody to gain knowledge about

216

00:08:12,848 --> 00:08:17,589

which one of the slits the photon passed

217

00:08:15,668 --> 00:08:19,240

through the act of gaining knowledge

218

00:08:17,589 --> 00:08:22,679

will cause the interference pattern to

219

00:08:19,240 --> 00:08:26,259

go away and to come back and get a

220

00:08:22,680 --> 00:08:28,180

particulate pattern and this is called

221

00:08:26,259 --> 00:08:30,969

gaining which path information and it's

222

00:08:28,180 --> 00:08:33,009

where consciousness gets in to quantum

223

00:08:30,970 --> 00:08:36,250

mechanics and there's no way to get it

224

00:08:33,009 --> 00:08:37,208

out actually so the act of gaining

225

00:08:36,250 --> 00:08:39,519

knowledge about the state of a quantum

226

00:08:37,208 --> 00:08:42,879

system collapses its indeterminate

227

00:08:39,519 --> 00:08:45,429

wave-like system into or characteristic

228

00:08:42,879 --> 00:08:47,980

into determined particles even after

229
00:08:45,429 --> 00:08:49,479
going through the slit so as Kourtney

230
00:08:47,980 --> 00:08:51,250
suggested on the delayed choice

231
00:08:49,480 --> 00:08:53,500
experiment it doesn't matter whether you

232
00:08:51,250 --> 00:08:54,639
know that the photon is about to go

233
00:08:53,500 --> 00:08:56,529
through a slit where it already went

234
00:08:54,639 --> 00:08:58,659
through the slit in either direction it

235
00:08:56,529 --> 00:09:01,299
works because from the photons point of

236
00:08:58,659 --> 00:09:02,649
view there's no time and apparently from

237
00:09:01,299 --> 00:09:04,659
some element of our consciousness

238
00:09:02,649 --> 00:09:08,169
there's no time either at least we were

239
00:09:04,659 --> 00:09:09,759
able to see through time so I said okay

240
00:09:08,169 --> 00:09:12,129
that's an interesting experiment what if

241
00:09:09,759 --> 00:09:14,590
we ask somebody with their minds eye

242
00:09:12,129 --> 00:09:16,120
from a distance to try to gain

243
00:09:14,590 --> 00:09:17,920
information about where the photon was

244
00:09:16,120 --> 00:09:19,929
going to look at one of the slits and

245
00:09:17,919 --> 00:09:21,099
try to gain knowledge because the whole

246
00:09:19,929 --> 00:09:23,169
thing about remote viewing and

247
00:09:21,100 --> 00:09:24,700
clairvoyance is that somehow it seems

248
00:09:23,169 --> 00:09:26,349
like you're gaining knowledge from the

249
00:09:24,700 --> 00:09:28,390
world somewhere but you're not through

250
00:09:26,350 --> 00:09:31,420
your eyes coming from somewhere else so

251
00:09:28,389 --> 00:09:33,789
do an experiment of this type and the

252
00:09:31,419 --> 00:09:35,439
question is from from any conventional

253
00:09:33,789 --> 00:09:36,849
point of view you'd expect that asking

254
00:09:35,440 --> 00:09:38,290
somebody to put the riot a distance

255
00:09:36,850 --> 00:09:39,430
wouldn't make any difference in here

256
00:09:38,289 --> 00:09:41,919
you'd always get an interference pattern

257

00:09:39,429 --> 00:09:44,469
but if remote viewing is real then

258
00:09:41,919 --> 00:09:46,209
perhaps it would collapse and you'd look

259
00:09:44,470 --> 00:09:48,040
you'd see a particular pattern even with

260
00:09:46,210 --> 00:09:50,050
a double slit or maybe you'd get

261
00:09:48,039 --> 00:09:52,809
somewhere in between because remote

262
00:09:50,049 --> 00:09:54,849
viewing is not perfect this of course is

263
00:09:52,809 --> 00:09:57,159
part of the shorting there's cat paradox

264
00:09:54,850 --> 00:10:01,589
I won't bother to explain this because

265
00:09:57,159 --> 00:10:01,588
everybody knows it but the