

Participant: A1

Colour Experiment (Four) –Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Quite fun .

How do you think your speed and accuracy changed as the experiment progressed?

More mistakes but got faster .

Why do you think this was?

Speed / accuracy trade off .

Did you look at the coloured square before each trial?

Yes .

How do you think the coloured square affected your responding?

Became better .

Did you notice any relationship between the coloured square and the location of the circles?

No .

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Didn't spot it

R 4 B 6

L 75% R 75%
R 25% L 25%

LLL
LRL
RLL
LRL

Participant: ^A 2

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Frustrating when he got one wrong.

How do you think your speed and accuracy changed as the experiment progressed?

Speed stayed the same.
Accuracy got worse when concentrating too hard.

Why do you think this was?

To do it quickly he pressed too soon.
Eager to score well.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

If slower to fill with colour it seemed flat circle switched sides.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Guessed it might happen.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random but occasionally slow to
fill with color → side ritual for codes.

If you did notice patterns, can you describe them?

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Just concentrated as much as possible.
Sometimes it went better when ~~left side~~ circle
flashed on same side as eye was reading on.
Generation task:

Participant: ^A3 .

Colour Experiment (Four - RPM) -Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

No .

How do you think your speed and accuracy changed as the experiment progressed?

Got faster and less accurate .

Why do you think this was?

Fatigue .

Did you look at the coloured square before each trial?

Yes .

How do you think the coloured square affected your responding?

Maybe easier to react on some trials than on others - Red more difficult .

Did you notice any relationship between the coloured square and the location of the circles?

No .

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Wouldn't surprise her .

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No .

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random .

If you did notice patterns, can you describe them?

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Just try to concentrate as hard as possible
Sometimes fingers pressed wrong button particularly
Generation task: after long string on same side .

A
Participant: 4,

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

A bit long.

How do you think your speed and accuracy changed as the experiment progressed?

$\frac{1}{2}$ way through both worse.

Why do you think this was?

Loss of concentration.

Did you look at the coloured square before each trial?

Not all of them.

How do you think the coloured square affected your responding?

Made it more confusing.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Could have been happening

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random but sometimes lots of
lefts or rights

If you did notice patterns, can you describe them?

Several LLL and RRR.

And when did you become aware of them?

Near beginning.

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Didn't really. Not trying to predict.

Generation task:

Participant: A 5.

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

As going through blocks made more errors -

How do you think your speed and accuracy changed as the experiment progressed?

Speed - Tried to get faster then slowed down if made mistakes - varied -

Accuracy - Made more errors as time went on.

Why do you think this was?

Not thinking about. Earlier on thinking harder.

Did you look at the coloured square before each trial?

Yes -

How do you think the coloured square affected your responding?

Not really -

Did you notice any relationship between the coloured square and the location of the circles?

Sometimes but then it didn't seem right -

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Had some idea -

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No .

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

On two blocks a pattern . Other than that
no .

If you did notice patterns, can you describe them?

LRLR then LRLs or RRLs in
a couple of blocks .

And when did you become aware of them?

One near beginning , one near end .

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Didn't . Not trying to predict .

Generation task:

Participant: A 6 .

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Gets a bit confusing after a while .

How do you think your speed and accuracy changed as the experiment progressed?

Stayed fairly constant .

Eyes straggled towards end .

Why do you think this was?

Maintained concentration .

Did you look at the coloured square before each trial?

Yes .

How do you think the coloured square affected your responding?

Helped .

Did you notice any relationship between the coloured square and the location of the circles?

No .

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Would surprise .

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Some patterns.

If you did notice patterns, can you describe them?

L R L R . 2 or 3 times.

Sometimes L L L etc. up to 8 times.
and some on Right.

And when did you become aware of them?

About block 5.

Were there any patterns you noticed more obvious than the others?

Alternations and lots of lefts in a row.

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Sometimes tried to guess and maybe went wrong but when it worked he was faster.

Generation task:

Participant: A 7.

Colour Experiment (Four - RPM) –Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Seemed to get harder.

How do you think your speed and accuracy changed as the experiment progressed?

Speed – decreased

Accuracy – decreased.

Why do you think this was?

Lost concentration.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

No real effect.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Some suspicion.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No .

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random .

If you did notice patterns, can you describe them?

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Mean you couldn't guess what was coming next .

Generation task:

Participant: A 8.

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Full stop key a bit sticky. Sometimes didn't work as quickly as it should have.

How do you think your speed and accuracy changed as the experiment progressed?

Both speed and accuracy decreased then went up towards end.

Why do you think this was?

Practice. Lost concentration.
More motivated towards end.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

Visual - centred vision.

Did you notice any relationship between the coloured square and the location of the circles?

Thought red → left more often.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Some idea.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

Red → left.
Yellow → right.
Not sure about others.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Some pattern.

If you did notice patterns, can you describe them?

Groups of 4-5 on one side then a couple on other side then back again.

And when did you become aware of them?

8th or 9th block.

Were there any patterns you noticed more obvious than the others?

No.

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Sometimes thought it would flash on a particular side but didn't always work.

Generation task:

Participant: ~~S~~ . A9

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

No. Frustrating when got wrong but quite fun.

How do you think your speed and accuracy changed as the experiment progressed?

Varied. Got into a rhythm then had spells.

Why do you think this was?

Concentration levels and got sore eyes.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

At first seemed easier to respond to green and yellow but overall not much difference.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Would surprise her.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

Full random.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random. Although sometimes there were several on same side and alternating.

If you did notice patterns, can you describe them?

And when did you become aware of them?

2nd block.

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Thinking patterns led to more mistakes as tried to predict.

Generation task:

Participant: A
10.

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

60 yellow and green wrong.

How do you think your speed and accuracy changed as the experiment progressed?

Speed - stayed fairly consistent
Accuracy - decreased.

Why do you think this was?

Felt that becoming more conditioned to expect a flash on a particular side if there had been a cross on same side.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

Darker colours (blue + red) easier

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

No - it would surprise her.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

Blue + red maybe more → right .

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random .

If you did notice patterns, can you describe them?

.

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Not trying to predict but felt ready to ~~the~~ alternate after a series on same side. After made mistakes later this occurred .

Generation task:

Participant: ^A 11

Colour Experiment (Four - RPM) –Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Got harder towards end.

How do you think your speed and accuracy changed as the experiment progressed?

Got worse - accuracy.
Speed - better.

Why do you think this was?

Speed/accuracy trade off.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

Made it easier.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Looked for pattern but didn't see one.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Go in waves.

If you did notice patterns, can you describe them?

Stay on one side for a while then alternate then to other side.

And when did you become aware of them?

1st few blocks.

Were there any patterns you noticed more obvious than the others?

Pattern in speed. After each wave a pause.

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

When looking for pattern made more mistakes. Better if simply concentrating on color.

Generation task:

Participant: ^A12 .

Colour Experiment (Four - RPM) -Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

No .

How do you think your speed and accuracy changed as the experiment progressed?

Speed - about the same .

Accuracy - may have improved a bit .

Why do you think this was?

Getting the hang of it .

Did you look at the coloured square before each trial?

As it progressed tried not to look at it
so much .

How do you think the coloured square affected your responding?

Glanced it down and made it less accurate

Did you notice any relationship between the coloured square and the location of the circles?

No .

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

No idea

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Could have been a pattern.

If you did notice patterns, can you describe them?

Can't describe but seemed to sometimes
2nd guess it as it was happening.

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

A couple of times 2nd guessed it but not all
the time.

Generation task:

Participant: 48 A13

Replacement

Sequence/Colour Experiment 3-Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Five .

How do you think your speed and accuracy changed as the experiment progressed?

Accuracy dipped in the middle and towards the end . Slowed down when made a mistake .

Why do you think this was?

Concentration waned .

Did you look at the coloured square before each trial?

Yes . Although a couple of times eyes moved to circles .

How do you think the coloured square affected your responding?

No idea .

Did you notice any relationship between the coloured square and the location of the circles?

No .

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Assumed it could be happening but not consciously aware of it .

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No.

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

No particular pattern. Sometimes long runs on one side.

If you did notice patterns, can you describe them?

Long runs on a particular side eg. r h s.

And when did you become aware of them?

After 3rd or 4th block.

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Went on one side preparing to change sides but easy to press wrong side in anticipation.

Generation task:

Participant: 49 A14

Repurposed

Sequence/Colour Experiment 3-Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

Fine

How do you think your speed and accuracy changed as the experiment progressed?

Faster for first half then slower towards end.
More accurate in the middle.

Why do you think this was?

Got tired

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

If flashed the same colour twice then inclined to press the same key.

Did you notice any relationship between the coloured square and the location of the circles?

No.

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Wouldn't surprise him. Didn't notice.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

No ,

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random .

If you did notice patterns, can you describe them?

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Waited for flashes .

Generation task:

Participant: ^A15

Colour Experiment (Four - RPM) - Structured Questionnaire

Please ask the following questions verbally and note down any responses.

Do you have any comments about the experiment?

No.

How do you think your speed and accuracy changed as the experiment progressed?

Speed - Went down in the middle.

Accuracy - Went down near the end.

Why do you think this was?

Feeling a bit lazy.

Accuracy went down due to loss of concentration.

Did you look at the coloured square before each trial?

Yes.

How do you think the coloured square affected your responding?

Made it better. Instead of concentrating on either one of circles not peripheral vision.

Did you notice any relationship between the coloured square and the location of the circles?

At one point -

Not really -

Would it surprise you if there was a relationship between some of the colours and locations, or did you have some idea that was happening?

Wouldn't surprise him.

Participant:

Some of the colours may or may not have had a predictive relationship with whether the circle came up on the right or the left. Could you describe the relationship between all, or any of the colours and where the circles flashed?

Red - one side
Blue - different side -

Did you notice any patterns in the way the circles flashed or do you think the circles in fact followed a random pattern?

Random -

If you did notice patterns, can you describe them?

Seven on one side
Alternations followed by seven on one side -

And when did you become aware of them?

Were there any patterns you noticed more obvious than the others?

How did noticing the sequences and patterns (or deciding it was random) affect your responding?

Hand have made it slower. Tried to predict some patterns but didn't seem to work -

Generation task: