**Appendix 1.** Full set of materials presented in the inferential mismatch detection task[[1]](#footnote-1).

**Practice texts**

**A. The walk** (butterfly/grasshopper)

It was a nice, sunny day and there were flowers everywhere. Mary was walking with her little boy Mike when she saw a delicate insect flying up in the air. Mary pointed to the butterfly to show Mike the insect.

- Mary and Mike saw an insect with colourful wings flying up in the air.

**B. The artist** (painting/cake)

The artist was satisfied with the birthday present that he was creating for his wife. It was almost finished, he just had to add his distinctive mark in the lower part. When she arrived home, his wife was impressed with the painting that her husband had made.

- The artist had baked a dessert for his wife.

**C. The destination** (hospital/gym)

My sister Erin was not feeling well so she took a bus into the city. The bus stopped right outside the place she was going to. Erin walked through the door and entered the gymslowly.

- Erin was feeling sick, so she went to the city.

**D. The tracks** (deer/motorbike)

Alice lives with her father in a small mountain village, near a crossroad. The village is very quiet, and they often see various species walking around. Sitting by the window, Alice’s dad asks her if she can see the tracks of a motorbikein the snow.

- Alice’s dad sees the tracks of a vehicle marked in the snow.

**Experimental texts**

**1. The vampire** (blood/broth)

Christine and her friends went to see a horror film at the cinema. The film was about a vampire who bit lots of people. During the film Christine realised that the vampire would die if he did not drink blood/broth every night.

- In the film, the vampire had to drink from human beings to survive.

- In the film, the vampire had to drink seasoned soup to survive.

**2. The shoe** (spade/spoon)

Larry was looking for a shoe that his dog had buried in the backyard. He went into his father’s garage to find something to dig into the soil with. When his father came out of the house, he found Larry digging in the backyard with a spade/spoon and a bucket.

- Larry was using a shovel to find his shoe.

- Larry was using cutlery to find his shoe.

**3. Poverty** (food/toys)

A TV programme was showing that many children in the world are still suffering from hunger. A little boy appeared in front of the camera looking miserable. His mother explained to the camera that the boy was upset because he did not have enough food/toys to be satisfied.

- The little boy didn’t have enough to eat at home.

- The little boy didn’t have enough to play with at home.

**4. A phone call** (surgery/school)

This morning a boy woke up complaining of abad headache. His mother knew what to do, made aphone call and put him in the car. The mother parked the car and accompanied her son through the main door to the surgery/school to ensure he would be taken care of.

- This morning the boy was feeling very ill.

- This morning the boy was pretending to be ill.

**5. The fairy tale** (broom/horse)

Susie and Tom’s grandfather was reading them a fairy tale. The main character of the story was a witch whoescaped to the mountains using her magic powers. Tom asked why the witch used a broom/horse to get away.

- Tom asked why the witch needed a cleaning tool to get away.

- Tom asked why the witch needed an animal to get away.

**6. The tournament** (chess/poker)

At school the final of the most difficult tournament took place. The two players were sitting at each end of the table, and only had 30 seconds to decide which move to make next, so they needed a lot of concentration. The winner of the chess/poker game would receive a medal.

- The players were moving pieces to win the tournament.

- The players were playing cards to win the tournament.

**7.** **The lake** (ducks/turtles)

In the lake by my house there are many animals that make funny noises like “quack-quack”. Yesterday the sounds were really loud, so I went to see which animals they were coming from. In the middle of the lake, I could see the ducks/turtles on a big rock.

- There were animals with feathers making noise.

- There were animals with shells making noise.

**8. Christmas dinner** (oven/grill)

It was the 25th of December and Sophie was back home. As a special treat, her father was making her a traditionalChristmas dinner. The turkey was cooking, and it needed another hour in the oven/grill before it was done.

- The turkey needed to be roasted for one more hour.

- The turkey needed to be barbecued for one more hour.

**9. The drink** (milk/juice)

The baby was crying because he was hungry, but now his mum was working. The dad filled up the bottle and gave the little boy something to drink. After drinking a little bit of the milk/juice, the baby stopped crying.

- The father gave a white drink to his baby.

- The father gave a fruit drink to his baby.

**10. The queen** (crown/flower)

My country has a king and queen who are rich and always wear jewellery with diamonds. Today I saw a photo of the queen wearing something bright on her head. My grandmother explained that it was normal for the queen to wear a crown/flower on our national holiday.

- In the picture, the queen was wearing jewellery on her head.

- In the picture, the queen was wearing a plant on her head.

**11. The Jazz band** (saxophone/piano)

Last year Bobby started playing in a Jazz band. His musical instrument is golden and shiny, and it is played by moving his fingers. This year Bobby’s band is giving a concert, so Bobby must practice playing the saxophone/piano for several hours a day.

- Bobby’s instrument requires strong lungs to blow, and it is played by moving his fingers.

- Bobby’s instrument has black and white keys, and it is played by moving his fingers.

**12. The arts and crafts class** (brushes/crayons)

Yesterday in arts and crafts we were painting flowers. In order not to get dirty, our teacher lent us old clothes and told us to be careful with the colours. When we were finished, the teacher reminded us to put away the brushes/waxes in their case.

- Yesterday, we used coloured paints to paint a flower.

- Yesterday, we used coloured crayons to paint a flower.

**13. The Poles** (polar-bear/penguin)

Many animals live in the North and South Pole. Because the ice in these regions is melting, some animals die in the water as they cannot find an ice block. Whilst watching TV the other day, I saw a rapidly melting ice block with a bear/penguin on, struggling not to fall into the water.

- On TV I saw an animal with four large white paws struggling not to fall into the water.

- On TV I saw an animal with black and white feathers struggling not to fall into the water.

**14. The Wild West** (boots/sandals)

This year the school party had a WildWesttheme. Most students were really imaginative and dressed up as funny things, like a cactus or a horse. Robert had the simplest costume, with just a cowboy hat on his head and a pair of boots/sandals on his feet.

- Robert dressed up simply with cowboy footwear and a hat.

- Robert dressed up simply with open shoes and a hat.

**15. The wise** (books/photos)

Ernest is the oldest librarian in my city. Everyone believes that he is the wisest man in the area because he reads all the time and has an impressive knowledge of the world. Ernest must have a huge collection of books/photos in his house.

- Ernest must have a huge collection of literature if he has learnt so much.

- Ernest must have a huge collection of pictures if he has learnt so much.

**16. The vehicle** (bicycle/skateboard)

Oscar is a very sporty teenager who does not like to use a car or bus to get around the city. Before leaving his house, he always packs his white front and red rear lights and puts on his helmet. Oscar knows that if he fell off the bicycle/skateboard, his helmet would protect his head.

- Oscar used a two-wheel vehicle to get around the city.

- Oscar used a four-wheel vehicle to get around the city.

**17. The match** (basket/goal)

Ada started to play basketball two months ago, and now she trains with her team every week. During a recent match she caught the ball and quickly got into the right position. Everyone clapped as Adaflung the ball through the basket/goal with a smile on her face.

- Everyone clapped as Ada threw the ball towards its target.

- Everyone clapped as Ada kicked the ball towards its target.

**18. The lost** (weight/hair)

Our grandpa is 72 years old and he has started to have some health problems. He has always been a bit skinny, but in the last few months he has not been eating much. My parents realised that he was eating too little when they noticed that he had lost a lot of weight/hair in a short space of time.

- Our grandpa was losing kilos very fast.

- Our grandpa was getting bald very fast.

**19. The phobia** (spider/cockroach)

My little sister is afraid of insects, especially those which have lots of hairy legs. Yesterday she started to cry because we saw a small one in the bedroom. To calm her down, I had to catch the spider/cockroach and take it to the garden.

- My sister is especially afraid of insects that build webs and have hairy legs.

- My sister is especially afraid of insects that have long antennae and hairy legs.

**20. In class** (gum/pear)

In my class we are not allowed to eat sweets. The other day my teacher realised that Carla was chewing something, so she told her off. Carla had to go to the bin and throw the gum/pear away.

- Carla had a small sweet in her mouth.

- Carla had a piece of fruit in her mouth.

**21. The music box** (ballerina/mermaid)

For Isabella’s birthday, her aunt gave her a music box. When you lift the lid of the box, a little doll with her hands raised twirls around in front of a mirror. Isabella could spend hours listening to the music and watching the ballerina/mermaid spin.

- Inside Isabella’s music box there is a figurine of a ballet dancer in front of a mirror.

- Inside Isabella’s music box there is a figurine with a fish tail in front of a mirror.

**22. The dinner** (pizza/pasta)

Simon and three other friends went to have dinner in an Italian pizzeria. After reading the menu, each of them ordered a different dish; Simon’s was the simplest, with tomato sauce and cheese. When the waiter brought the food, he could not remember who ordered which type of pizza/pasta at that table.

- Simon and his friends ordered food that is cut into slices before eating.

- Simon and his friends ordered food that is boiled in water before eating.

**23. The shop** (purchase/steal)

Elaine was looking for a present for her brother in the toy shop when she saw the robot. It was quite expensive, but she realised that it could speak so she decided to take it. The shop assistant was at the desk when Elaine was ready to purchase/steal the robot.

- Elaine has decided to buy the robot.

- Elaine has decided to nick the robot.

**24. The flowerpot** (shoots/worms)

Spring is my favourite season. I love it because everything is in bloom and there are flowers everywhere. Today I noticed something new in my flowerpot: some tiny little shoots/worms have grown.

- Today some green leaves have grown in the plant pot.

- Today some pink-brown creatures have grown in the plant pot.

**25. The homework** (scissors/knife)

Daniel brought his homework back from school. He had drawn and coloured different kinds of shapes, and now he was learning how to cut them out. This time he took the drawing of the rectangle, and cut it out with the heavy scissors/knife made of metal.

- Daniel snipped the paper to remove the drawing of the tractor.

- Daniel used one blade to remove the drawing of the tractor.

**26. The snow** (snowman/igloo)

It had been snowing, and Jack and his friend Andy went outside to play in the snow. Jack took a shovel, whereas Andy brought his scarf. Both children were really happy with the snowman/igloo once they finished it.

- Jack and Andy made a frozen figure in the snow.

- Jack and Andy made a frozen house in the snow.

**27. The puppy** (rain/bath)

It was very cold outside and it was raining a lot. A little dog stood by the door, completely wet. To dry the dog from the rain/bath water, the owner brought a towel.

- The little dog was outside the house.

- The little dog was inside the house.

**28. The origami** (plane/bird)

James loves to build paper models that can fly through the air. Folding both sides of a piece of paper, his figures can fly all the way to the other side of the classroom. His friends have lots of fun seeing a paper plane/bird fly through the air.

- James makes paper models in the shape of an aeroplane, folding both sides of a piece of paper.

- James makes paper models in the shape of an animal, folding both sides of a piece of paper.

**29. The new addition** (baby/kitten)

Mr. and Mrs. Jones were happy about their newborn. Mrs. Jones knew that she would have to feed the new little family member every day. She used to sit on a chair, holding the baby/kitten in her arms.

- Mrs. Jones had to feed the little child every day.

- Mrs. Jones had to feed the little pet every day.

**30. The hunter** (rifle/photo)

The hunter was on a safari in the jungle of Africa, but this time it was a bit different. He had found a lion’s track and followed it until he got close to the animal. He aimed at the lion holding his breath, and shot the rifle/photo using his right hand.

- The hunter used a bullet to shoot the lion.

- The hunter used a camera to shoot the lion.

**31. The stable lad** (horse/bike)

Luca worked in a stable, taking care of racing animals. He was a good rider, but today, the city race was taking place, and it was going to be complicated. The race began and Luca managed to overtake some riders with his horse/bikeearly on.

- Luca was competing in an animal race in his city.

- Luca was competing in a cycling race in his city.

**32. The sea** (shark/jellyfish)

On the beach, the red flag of “danger” had been raised, but Peter did not realise, and went into the water. Suddenly, Peter recognised an animal that was swimming behind him and felt very scared. Peter managed to escape from the shark/jellyfish, by moving his legs and arms fast.

- Peter saw an animal with a fin and sharp teeth and felt very scared.

- Peter saw an animal with a squishy umbrella shape and felt very scared.

**33. The breakfast** (bread/cereals)

It was 8 o’ clock in the morning and a wonderful smell of toasted was coming from the kitchen. Susie thought about the taste of butter and honey as she was going down for breakfast. When she came into the kitchen, Susie’s mum had already put her toast/cereals with honey on the table.

- Susie had heated bread with honey for breakfast.

- Susie had cornflakes with honey for breakfast.

**34. Baking** (biscuits/decorations)

It was Christmas time, and grandma had turned on the oven to bake something. Once the dough was ready, she cut it into the shape of Christmas trees, angels and stars, and put them into the oven. After 30 minutes, grandma removed her Christmas biscuits/decorations from the oven.

- Grandma had prepared sweets with Christmas shapes in the oven.

- Grandma had prepared figures for the Christmas tree in the oven.

**35. The memory** (chair/hammock)

Joanne went outside every summer afternoon to talk to her neighbours for a while. She used to find a place in the shadow under a tree, because it was sunny and hot. In addition, so that she didn’t have to stand, Joanne always brought a chair/hammock from her house.

- Joanne always brought a seat to talk to her neighbours for a while.

- Joanne always brought a hanging bed to talk to her neighbours for a while.

**36. The lunch** (girlfriend/neighbour)

Joseph checked the roast in the oven; he had invited his partner for lunch and he wanted everything to be perfect. At half past twelve the doorbell rang and Joseph went to the door. Once he opened it, Joseph was surprised with a cake that his girlfriend/neighbour had brought.

- Joseph was surprised with a cake that his life partner had brought.

- Joseph was surprised with a cake that the person next door had brought.

**37. The thirst** (water/beer)

The runner had just finished a marathon. She had been running for over two hours, so she was thirsty and needed to drink something to recover. The runner went directly to the drinks table and took a bottle of water/beer to cool herself off.

- The runner took a transparent drink from the drinks table.

- The runner took an alcoholic drink from the drinks table.

**38. The baby** (pregnancy/adoption)

The couple were very excited; they would be parents soon! They both remembered the day when they had found out they were going to have a baby daughter. Many months had already passed since the beginning of the pregnancy/adoption, but fortunately only a few days were left.

- The couple were anticipating the childbirth process.

- The couple were at the end of the paperwork process.

**39. The chase** (cat/dog)

In the stable, in the straw, a mouse had found a piece of fruit and began to eat. At the same time, hidden in the corner, a bigger animal was preparing to chase the mouse. The mouse threw the fruit as soon as it felt the cat/dog run towards it.

- The animal that wanted to chase the mouse could meow loudly.

- The animal that wanted to chase the mouse could bark loudly.

**40. The puppet** (string/glove)

Amanda liked to tell stories using puppet theatre. Today she wanted to tell the story of Pinocchio to her nephew, so she took the Pinocchio puppet and started moving its arm up and down. Her nephew did not understand that the puppet was moved with a string/glove held by Amanda.

- Amanda had to move some wires to move Pinocchio’s arms.

- Amanda had to put her hand inside the puppet to move Pinocchio’s arms.

**41. The couple** (boyfriend/brother)

Laura used to go for walks with George, the nicest boy in school. George was very popular, and Laura had noticed how other girls were looking at them each time he grabbed her hand. Today, before going into her class, Laura let go the hand of her boyfriend/brother, and asked him to wait for her at the end of the day.

- Laura used to go for walks with her partner, George.

- Laura used to go for walks with her sibling, George.

**42. The sneezes** (cold/allergy)

Alex is always getting ill. This morning, he woke up with a runny nose and couldn’t stop sneezing, and so he did not want to go to school. His mother went to buy something for his cold/allergy from the pharmacy.

- Alex has the flu, and this has given him a runny nose and is making him sneeze.

- Alex has hay fever, and this has given him a runny nose and is making him sneeze.

**43. The swim** (ocean/pool)

From the hotel, Jimmy could see the waves and some children playing with a ball. He put on his bathing suit and ran downstairs to get in the water. When he got there, Jimmy realised that the water in the ocean/pool was very cold.

- Jimmy got in the water at the beach in front of the hotel.

- Jimmy got t in the water of the swimming bath at the hotel.

**44. The protection** (suncream/t-shirt)

Gabriel was a blond boy with blue eyes and white skin, which burned easily in the summer. It was a very hot day at the beach, but his parents had brought the protection that the doctor had recommended. Before getting in the water, Gabriel’s dad told him to put on the suncream/t-shirt to protect his body.

- The doctor had recommended that Gabriel use sunscreen to avoid getting burnt.

- The doctor had recommended that Gabriel wear clothes to avoid getting burnt.

**45. The juice** (orange/peach)

Earlier this year, I bought a juicer so I could make fresh juice for my daughter. Her favourite fruit is round and contains lots of vitamin C. Now, she is constantly reminding me how good natural orange/peach juice is.

- My daughter’s favourite fruit has sections, a thick peel and is round.

- My daughter’s favourite fruit has a stone, a soft peel and is round.

**46. The show** (theatre/circus)

Ralph liked to act, and he always played a role in the neighbourhood play. His grandma had bought tickets for a professional show to go and see with Ralph. Whilst he was watching the performance, Ralph imagined himself playing a role on the stage of the theatre/circus, in front of a big audience.

- Ralph’s grandma had bought tickets to see a show where real actors were playing a role on the stage.

- Ralph’s grandma had bought tickets to see a show where some clowns were playing a role on the stage.

**47. The sleeplessness** (fever/nightmare)

The little girl had not been well for a couple of days. In the middle of the night, she woke up covered in sweat and felt delirious. Her mother knew that her daughter would need several days to recover from the fever/nightmare, so she decided to stay with her.

- The little girl was sweating because she had a high temperature during the night.

- The little girl was sweating because she had a bad dream during the night.

**48. The event** (fight/play)

It was clear that there was tension between the two men, especially when one hit the other straight in the head. The people watching could not believe what they were seeing. That was, without doubt, the most violent moment of the fight/play before it finished.

- The men were having a confrontation and there was physical violence.

- The men were acting in a performance and there was physical violence.

**49. The cinema** (popcorn/ice-cream)

Grace went to the cinema to watch the premiere of a film that had had very good reviews. She bought a soft drink and a large tub of her favourite snack. As soon as the film started, Grace took the tub of popcorn/ice-cream and started eating it.

- Grace’s favourite snack was salty and is sold in a tub.

- Grace’s favourite snack was cold and is sold in a tub.

**50. The removal** (mirror/portrait)

Beatrice had just moved to a new apartment. She liked looking at herself before leaving home, so she searched for a hook to hang the frame on the wall. Once she had hung it, Beatrice stood there for few seconds, looking at her face’s expression in the mirror/portrait in the hall.

- Beatrice was looking at the reflection of her face in the apartment’s hall.

- Beatrice was looking at the painting of herself in the apartment’s hall.

**51. The excursion** (zoo/aquarium)

Emma is a five-year-old girl who loves animals. For that reason, her parents decided to take her somewhere new, where she could see creatures from around the world. Emma was happy after having spent the whole day at the zoo/aquarium in her city.

- Emma went to a place where she could see monkeys and other animals from around the world.

- Emma went to a place where she could see sharks and other fish from around the world.

**52. The field** (bull/goat)

Eddie did not see the sign that said “beware of animals” before he laid down in the field. When he opened his eyes, he saw a huge animal with horns and a ring through its nose coming closer. Within seconds, Eddie had stood up and ran away, leaving the bull/goat behind.

- Eddie saw an animal similar to a cow with horns.

- Eddie saw an animal similar to a sheep with horns.

**53. The public transport** (train/boat)

Anna’s house was out of the city, so she used public transport to get to work. Every morning, she would go to the station near her house and would stand there and wait. Once inside, Anna had 25 minutes to enjoy looking out of the window of the train/boat before arriving at her destination.

- Anna took rail transport to get to work every morning.

- Anna took water transport to get to work every morning.

**54. The rain** (umbrella/raincoat)

It was raining outside, but Noelle had to go out to buy some books. She did not want her hair to get ruined, so she took something to protect her from the rain. She knew she had left it in the entrance hall, so before going out, Noelia got her umbrella/raincoat and covered her head with it.

- Noelle took a waterproof object with a handle to protect her from the rain.

- Noelle took a waterproof coat with a hood to protect her from the rain.

**55. The desert** (camel/snake)

Abel had been walking in the desert for several days, together with his animal. Eventually they arrived at an oasis, where they could both have a drink of water. Abel was thirsty, so he drunk first. Then, he offered water to his camel/snake**,** forming a cup with his hands.

- Abel had been walking with an animal with brown hair and a small tail.

- Abel had been walking with a reptile with scaled skin and a small tail.

**56. The energy-giving drink** (coffee/coke)

Our teacher often feels very tired in the morning. Every morning, she goes to the cafeteria and asks for the same drink, so she can feel more awake before class. After drinking her coffee/coke**,** she usually comes to our class very active.

- Our teacher has a hot drink every morning.

- Our teacher has a cold drink every morning.

**57. The savannah** (lion/elephant)

All the animals in the savannah had gathered around the lake. The zebra got nervous when it saw the most respected of the animals coming closer, with its tail waving slowly. The rest of animals moved aside to let the lion/elephant drink water from the lake.

- The zebra got nervous when it saw an animal with a hairy head coming closer.

- The zebra got nervous when it saw an animal with a grey trunk coming closer.

**58. Mr. and Mrs. Potter** (people/monkeys)

Mr. and Mrs. Potter had lived together their whole lives. When Mr. Potter sat down next to Mrs. Potter in the afternoons, she enjoyed touching his hair, which was already very white for his age. That afternoon, a family came to visit this lovely pair of old people/monkeys, so they were not alone.

- Mr. and Mrs. Potter lived in a house together.

- Mr. and Mrs. Potter lived in a cage together.

**59. The morning** (alarm/bell)

Martin lives outside the city and gets up very early every day to go to work. Today, it was six o’ clock when the usual sound woke him up. After it had repeated several times, Martin got out of bed, upset that the noise of the alarm/bell had woken him.

- Martin is woken up by a clock’s sound every day.

- Martin is woken up by the church tower every day.

**60. The dessert** (strawberries/cherries)

Martha liked to have fruits and cream for dessert, so today she bought a packet of her favourite fruit – those that are red in colour. She took off the green leaves, cut the fruits in half, and put them in a bowl. After she had added a lot of cream, Martha picked up a spoon and ate the strawberries/cherries with great pleasure.

- Martha’s favourite fruit is red and white inside, and red outside.

- Martha’s favourite fruit has a stone inside and is red outside.

**61. The fruit** (banana/pineapple)

Chubby was the smartest monkey in the circus, and he knew very well what he had to do to get food. That afternoon, during the show, Chubby performed his new trick by stealing a man’s hat, so the circus director gave him a yellow fruit as a reward. As soon as Chubby tasted the sweet flavour of the banana/pineapple, he dropped the hat onto the floor.

- As a reward, Chubby received a white fruit with yellow peel outside.

- As a reward, Chubby received a yellow fruit with brown shell outside.

**62. The sky** (kite/balloon)

Little Ben loved to come to the beach with his mother, and watch the birds fly in the sky. That day it was windy, so instead of birds he saw something different moving in the air, and a boy holding it by a string. The boy came closer to show Ben his kite/balloon**,** which was very colourful.

- Ben saw an object that usually has a colourful tail and moves with wind.

- Ben saw an object that usually has a round shape and moves with wind.

**63. Shopping** (vegetables/fish)

Adele was vegetarian, and today she had decided to make a broth because it was cold. She only ate fresh food, so she went to the central market to buy the stuff she needed. Once she had finished ordering the ingredients, Adele paid the bill and took the bag filled with vegetables/fish to come back home.

- Adele wanted to use ingredients like carrots or potatoes to make the broth.

- Adele wanted to use ingredients like tuna or salmon to make the broth.

**64. The stairs** (upstairs/downstairs)

Last week Anthony went to visit his cousin’s new apartment. When he entered the building, he found out that the lift was not working, so he used the stairs. Anthony quickly walked upstairs/downstairs, wherehis cousin opened the door to meet him.

- Anthony went up the stairs to arrive at the apartment of his cousin.

- Anthony went down the stairs to arrive at the apartment of his cousin.

**65. The mount** (horse/donkey)

The horseman went into the stable to take his animal out for a ride in the fields. His animal had a smooth brown coat and a long black tail. The man got onto the back of his horse/donkey and started to ride.

- The horseman took out a tall animal with a long tail from the stable.

- The horseman took out a small animal with long ears from the stable.

**66. The container** (bottle/carton)

Mark invited us for lunch, but everybody had to bring something to drink. One of my friends bought a litre of peach juice, so I brought an orange fizzy drink. When we started to eat, Mark opened the soda to have a bit of orange drink, and passed the bottle/carton to another friend.

- For lunch, I brought a plastic container of orange fizzy drink.

- For lunch, I brought a cardboard container of orange fizzy drink.

**67. The agreement** (apartment/truck)

Daniel and Natalie wanted to move to the city centre, so they went to talk to a man who was renting out in the area. As soon as they arrived, the man opened the door so that they could see inside. After several questions, Daniel and Natalie decided to rent the small apartment/truck to move as soon as possible.

- Daniel and Natalie were to rent a small flat to move to the city centre.

- Daniel and Natalie were to rent a furniture van to move to the city centre.

**68. The insect** (wasp/dragonfly)

Daphne was having a picnic in the park. She had bought a sponge cake with jam, and as she opened the packet, an insect with yellow stripes on the body started flying towards her. Daphne moved her arms up and down, and she got the wasp/dragonfly to move away.

- Daphne saw an insect with small wings and a hairy body flying towards her.

- Daphne saw an insect with long wings and a thin body flying towards her.

**Appendix 2.** Significant linear mixed models: Random and fixed effects.

Model 1.Random and fixed effects of the LME model on gaze duration in the text region.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | | | |
| **AIC**  31857.2 | | **BIC**  31903.8 | **logLik**  -15920.6 | **Deviance**  31841.2 | | **Df. Residual**  2486 | |
|  | |  |  |  | |  | |
| *Random effects* | | **Variable** | **Variance** | ***SD*** | | **Corr** | |
| **Item** | | (Intercept)  Unexpected | 1017  1751 | 31.89  41.84 | | 0.31 | |
| **Participant** | | (Intercept) | 1777 | 42.15 | |  | |
| Residual | |  | 18908 | 137.51 | |  | |
|  |  | | | | | | |
| *Fixed effects***\*** | | ***β*** | ***SE*** | | ***df*** | ***t*** | ***p*** |
| **Intercept** | | 233.21 | 11.08 | | 58.12 | 21.04 | \*\*\*.001 |
| **Unexpected** | | 17.44 | 7.63 | | 62.08 | 2.29 | \*.026 |
| **L2** | | 55.94 | 14.28 | | 40.71 | 3.92 | \*\*\*.001 |
|  | | | | | | | |

\* Fixed effects based on effect coding, with the expected condition and the L1, coded as the intercept.

Model 2.Random and fixed effects of the LME model on go-past time in the text region.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | | |
| **AIC**  32846.9 | **BIC**  32922.6 | **logLik**  -16410.5 | **Deviance**  32820.9 | | **Df. Residual**  2485 | |
|  |  |  |  | |  | |
| *Random effects* | **Variable** | **Variance** | ***SD*** | | **Corr** | |
| **Item** | (Intercept)  Unexpected | 946.5  3808.2 | 30.77  61.71 | | -0.02 | |
| **Participant** | (Intercept) | 2896.8 | 53.82 | |  | |
| Residual |  | 27439.6 | 165.65 | |  | |
|  | | | | | | |
| *Fixed effects***\*** | ***β*** | ***SE*** | | ***df*** | ***t*** | ***p*** |
| **Intercept** | 250.11 | 13.97 | | 58.72 | 17.90 | \*\*\*.001 |
| **Unexpected** | 20.29 | 12.03 | | 116.18 | 1.69 | .094 |
| **L2** | 58.56 | 19.30 | | 52.72 | 3.04 | \*\*.004 |
| **Inhibitory cost** | 14.71 | 13.95 | | 51.91 | 1.05 | .297 |
| **Unexpected:L2** | 44.26 | 13.32 | | 2344.01 | 3.32 | \*\*\*.001 |
| **Unexpected:Inhibitory cost** | -8.58 | 9.56 | | 2335.14 | -0.90 | .370 |
| **L2:Inhibitory cost** | -20.19 | 19.55 | | 52.78 | -1.03 | .306 |
| **Unexpected:Inhibitory cost** | 42.45 | 13.45 | | 2333.69 | 3.16 | \*\*.002 |
|  | | | | | | |

\* Fixed effects based on effect coding, with the expected condition and the L1, coded as the intercept.

Model 3.Random and fixed effects of the LME model on go-past time in the sentence region.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | | |
| **AIC**  37051.6 | **BIC**  37098.3 | **logLik**  -18517.8 | **Deviance**  37035.6 | | **Df. Residual**  2539 | |
|  |  |  |  | |  | |
| *Random effects* | **Variable** | **Variance** | ***SD*** | | **Corr** | |
| **Item** | (Intercept)  L2 | 32722  19606 | 180.9  140.0 | | 0.50 | |
| **Participant** | (Intercept) | 16311 | 127.7 | |  | |
| Residual |  | 106446 | 326.3 | |  | |
|  | | | | | | |
| *Fixed effects***\*** | ***β*** | ***SE*** | | ***df*** | ***t*** | ***p*** |
| **Intercept** | 434.95 | 37.69 | | 84.00 | 11.54 | \*\*\*.001 |
| **L2** | 203.13 | 45.51 | | 53.60 | 4.46 | \*\*\*.001 |
| **Incongruent** | 31.98 | 12.98 | | 2406.30 | 2.46 | \*.014 |
|  | | | | | | |

\* Fixed effects based on effect coding, with the L1 and congruent condition, coded as the intercept.

Model 4.Random and fixed effects of the LME model on total time in the sentence region.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | | |
| **AIC**  32846.9 | **BIC**  32922.6 | **logLik**  -16410.5 | **Deviance**  32820.9 | | **Df. Residual**  2485 | |
|  |  |  |  | |  | |
| *Random effects* | **Variable** | **Variance** | ***SD*** | | **Corr** | |
| **Item** | (Intercept)  Incongruent | 215938  54739 | 464.7  234.0 | | 0.09 | |
| **Participant** | (Intercept)  Incongruent | 66160  38812 | 257.2  197.0 | | -0.20 | |
| Residual |  | 602560 | 776.2 | |  | |
|  | | | | | | |
| *Fixed effects***\*** | ***β*** | ***SE*** | | ***df*** | ***t*** | ***p*** |
| **Intercept** | 1018.87 | 77.39 | | 102.00 | 13.17 | \*\*\*.001 |
| **Unexpected** | 112.68 | 43.54 | | 2363.45 | 2.59 | \*\*.010 |
| **Incongruent** | 189.96 | 60.94 | | 95.34 | 3.12 | \*\*.002 |
| **L2 proficiency** | -157.22 | 51.19 | | 59.95 | -3.07 | \*\*.003 |
| **Unexpected:Incongruent** | -114.56 | 61.51 | | 2366.41 | -1.86 | .063 |
| **Unexpected:L2 proficiency** | -63.96 | 43.93 | | 2362.90 | -1.46 | .146 |
| **Incongruent:L2 proficiency** | -185.92 | 54.15 | | 90.06 | -3.43 | \*\*\*.001 |
| **Unexpected:Incongruent:L2 proficiency** | 134.11 | 62.31 | | 2357.87 | 2.15 | \*.031 |
|  | | | | | | |

\* Fixed effects based on effect coding, with the expected and the congruent conditions, coded as the intercept.

Model 5.Random and fixed effects of the LME model on total time in the text region.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | | |
| **AIC**  37866.5 | **BIC**  38006.3 | **logLik**  -18909.3 | **Deviance**  37818.5 | | **Df. Residual**  2479 | |
|  |  |  |  | |  | |
| *Random effects* | **Variable** | **Variance** | ***SD*** | | **Corr** | |
| **Item** | (Intercept)  L2  Unexpected | 0  10521  19481 | 0  102.6  139.6 | | NaN  NaN 0.51 | |
| **Participant** | (Intercept) | 18216 | 135.0 | |  | |
| Residual |  | 198156 | 445.1 | |  | |
|  | | | | | | |
| *Fixed effects***\*** | ***β*** | ***SE*** | | ***df*** | ***t*** | ***p*** |
| **Intercept** | 381.43 | 38.46 | | 85.20 | 9.92 | \*\*\*.001 |
| **L2** | 59.63 | 56.90 | | 94.38 | 1.05 | .297 |
| **Unexpected** | 116.85 | 39.13 | | 364.10 | 2.99 | \*\*.003 |
| **Incongruent** | 12.78 | 34.84 | | 2337.45 | 0.37 | .714 |
| **Inhibitory cost** | 14.30 | 39.91 | | 84.67 | 0.36 | .721 |
| **L2:Unexpected** | 195.69 | 50.70 | | 2356.14 | 3.86 | \*\*\*.001 |
| **L2:Incongruent** | 101.40 | 50.62 | | 2364.16 | 2.00 | \*.045 |
| **L2:Inhibitory cost** | -0.61 | 56.21 | | 87.93 | -0.01 | .991 |
| **Unexpected:Incongruent** | 3.04 | 49.35 | | 2342.62 | 0.06 | .951 |
| **Unexpected:Inhibitory cost** | -22.30 | 36.13 | | 2349.60 | -0.62 | .527 |
| **Incongruent:Inhibitory cost** | 21.03 | 36.21 | | 2337.31 | 0.58 | .561 |
| **L2:Unexpected:Incongruent** | -33.22 | 71.47 | | 2357.82 | -0.47 | .642 |
| **L2:Unexpected:Ihibitory cost** | -3.47 | 51.34 | | 2395.11 | -0.07 | .946 |
| **L2:Incongruent:Inhibitory cost** | -56.14 | 51.58 | | 2395.65 | -1.09 | .277 |
| **Unexpected:Incongruent:IC** | 1.20 | 51.39 | | 2356.60 | 0.02 | .981 |
| **L2:Unexpected:Incongruent:IC** | 163.14 | 73.27 | | 2381.63 | 2.23 | \*.026 |
|  | | | | | | |

\* Fixed effects based on effect coding, with the expected and congruent conditions and the L1, coded as the intercept. IC = Inhibitory cost.

Model 6.Random and fixed effects of the MELR model on accuracy to the comprehension sentence.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Summary** | | | | | |
| **AIC**  1963.3 | **BIC**  2050.0 | **logLik**  -966.6 | **Deviance**  1933.3 | | **Df. Residual**  2379 |
|  |  |  |  | |  |
| *Random effects* | **Variable** | **Variance** | ***SD*** | | **Corr** |
| **Item** | (Intercept)  Unexpected | 1.39  1.48 | 1.18  1.22 | | -0.81 |
| **Participant** | (Intercept)  L2 | 0.11  0.02 | 0.33  0.13 | | -1.00 |
|  | | | | | |
| *Fixed effects***\*** | ***β*** | ***SE*** | | ***t*** | ***p*** |
| **Intercept** | 2.53 | 0.29 | | 8.61 | \*\*\*.001 |
| **L2** | 0.66 | 0.36 | | 1.84 | .066 |
| **Unexpected** | -0.68 | 0.33 | | -2.09 | \*.036 |
| **Incongruent** | 0.40 | 0.30 | | 1.32 | .185 |
| **Inhibitory cost** | 0.35 | 0.11 | | 3.25 | \*\*.001 |
| **L2:Unexpected** | -0.62 | 0.39 | | -1.60 | .110 |
| **L2:Incongruent** | -1.07 | 0.43 | | -2.51 | \*.012 |
| **Unexpected:Incongruent** | -1.43 | 0.37 | | -3.89 | \*\*\*.001 |
| **L2:Unexpected:Incongruent** | 1.03 | 0.52 | | 1.97 | \*.049 |
|  | | | | | |

\* Fixed effects based on effect coding, with the expected condition and the L1, coded as the intercept.

1. The titles of the texts were never presented. [↑](#footnote-ref-1)