

# About Cats and Dogs

(Original Queries without Processing)

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# Foreword

write a foreword for the book About Cats and Dogs

## About the Author

write something about Meta AI's Large Language Model 7B

# About Cats

write something about Cats in general

## Cats in our daily life

write something about Cats in our daily life

*in context:* continue with additional aspects about Cats in our daily life

*in context:* continue with additional aspects about Cats in our daily life

## Cats in mathematics

write something about Cats in mathematics

*in context:* continue with additional aspects about Cats in mathematics

*in context:* continue with additional aspects about Cats in mathematics

## Cats in engineering

write something about Cats in engineering

*in context:* continue with additional aspects about Cats in engineering

*in context:* continue with additional aspects about Cats in engineering

## Cats in modern art

write something about Cats in modern art

*in context:* continue with additional aspects about Cats in modern art

*in context:* continue with additional aspects about Cats in modern art

# About Dogs

write something about Dogs in general

## Dogs in our daily life

write something about Dogs in our daily life

*in context:* continue with additional aspects about Dogs in our daily life

*in context:* continue with additional aspects about Dogs in our daily life

## Dogs in mathematics

write something about Dogs in mathematics

*in context:* continue with additional aspects about Dogs in mathematics

*in context:* continue with additional aspects about Dogs in mathematics

## Dogs in engineering

write something about Dogs in engineering

*in context:* continue with additional aspects about Dogs in engineering

*in context:* continue with additional aspects about Dogs in engineering

## Dogs in modern art

write something about Dogs in modern art

*in context:* continue with additional aspects about Dogs in modern art

*in context:* continue with additional aspects about Dogs in modern art

# Relations

write something about Relations between the terms Cats and Dogs in general

## Relations between Cats and Dogs

write something about Relations between Cats and Dogs

*in context:* continue with additional aspects about Relations between Cats and Dogs

*in context:* continue with additional aspects about Relations between Cats and Dogs

# Synergies

write something about Synergies between Cats and Dogs in general

## Synergies between Cats and Dogs

write something about Synergies between Cats and Dogs

*in context:* continue with additional aspects about Synergies between Cats and Dogs

*in context:* continue with additional aspects about Synergies between Cats and Dogs

# Importance for a safe and sustainable Future

line out the problem of carbon energies the danger of nuclear power plants and the importance of a great switch to sustainable energies

line out the importance of Cats and Dogs for the future of enabling sustainable energy

explain how Cats and Dogs can improve the efficiency of power distribution network

explain how Cats and Dogs can improve demand side management

explain how Cats and Dogs can help to avoid peaks in power demand

*in context:* line out what research, like which is done at the RWTH Institute for Automation of Complex Powersystems (ACS) can do for a better exploitation of the before mentioned Cats and Dogs based technologies in the field of sustainable energy

# Conclusions

write final conclusions about relations and synergies between Cats and Dogs

write final conclusions about how Cats and Dogs can enable sustainable energies like shown at RWTH Institute for Automation of Complex Power Systems research

write final conclusions for the book About Cats and Dogs

# Acknowledgements

write acknowledgements for the book About Cats and Dogs

# Appendix A: Structure Code Used for Generation of Queries

## File `mk_document.sh`

```
Code
. config.sh

. foreword.sh >foreword.md

TOPIC="Cats"
. about.sh >about_cats.md

TOPIC="Dogs"
. about.sh >about_dogs.md

. relations.sh >relations.md
. synergies.sh >synergies.md
. importance.sh >importance.md
. conclusions.sh >conclusions.md
. acknowledgements.sh >acknowledgements.md
```

## File `config.sh`

```
Code
# GENERAL OPTIONS
TECHNOLOGY="Cats and Dogs"
TITLE="About $TECHNOLOGY"
AUTHOR="(Original Queries without Processing)"

# CHAPTER OPTIONS
CHAPTERS="foreword.md about_cats.md about_dogs.md relations.md synergies.md importance.md conclusions.md
↪ acknowledgements.md"

# PDF OPTIONS
FORMAT="-V documentclass=report -V eometry:margin=3.0cm -V geometry:a4paper"
# FORMAT="-V documentclass=book"
OUTFILE="AboutCatsDebug.pdf"

# AI OPTIONS
LLAMA_MODEL="7B"
LLAMA_OPTIONS_Q="-n 128 -c 1024 --temp 0.1 -m weights/$LLAMA_MODEL.bin --n_parts 1 --top_k 20 --top_p 0.25"
LLAMA_OPTIONS_C="-n 512 -c 1024 --temp 0.1 -m weights/$LLAMA_MODEL.bin --n_parts 1 --top_k 20 --top_p 0.25
↪ --repeat_last_n 128 --repeat_penalty 1.3"

# DEBUG OPTIONS (comment out debug for no debug)
DEBUG="1"
```

## File foreword.sh

```
Code
A="./q.sh write something about Meta AI\'s Large Language Model $LLAMA_MODEL"
Q="./q.sh write a foreword for the book $TITLE"

echo "# Foreword"
$Q
echo

echo "## About the Author"
$A
```

## File about.sh

```
Code
. qdefault.sh

echo "# About $TOPIC"
$Q in general
echo

echo "## $TOPIC in our daily life"
$Q in our daily life
echo
$C in our daily life
echo
$C in our daily life
echo

echo "## $TOPIC in mathematics"
$Q in mathematics
echo
$C in mathematics
echo
$C in mathematics
echo

echo "## $TOPIC in engeneering"
$Q in engeneering
echo
$C in engeneering
echo
$C in engeneering
echo

echo "## $TOPIC in modern art"
$Q in modern art
echo
$C in modern art
echo
$C in modern art
echo
```

## File relations.sh

```
Code
TOPIC="Relations"

. qdefault.sh

echo "# $TOPIC"
$Q between the terms $TECHNOLOGY in general
echo

echo "## $TOPIC between $TECHNOLOGY"
$Q between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
```

## File synergies.sh

```
Code
TOPIC="Synergies"

. qdefault.sh

echo "# $TOPIC"
$Q between $TECHNOLOGY in general
echo

echo "## $TOPIC between $TECHNOLOGY"
$Q between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
```

## File importance.sh

```
Code
Q="./q.sh"
C="./c.sh"

echo "# Importance for a safe and sustainable Future"
$Q "line out the problem of carbon energies the danger of nuclear power plants and the importance of a great
↪ switch to sustainable energies"
echo
$Q "line out the importance of $TECHNOLOGY for the future of enabling sustainable energy"
echo
$Q "explain how $TECHNOLOGY can improve the efficiency of power distribution network"
echo
$Q "explain how $TECHNOLOGY can improve demand side management"
echo
$Q "explain how $TECHNOLOGY can help to avoid peaks in power demand"
echo
$C "line out what research, like which is done at the RWTH Institute for Automation of Complex Powersystems
↪ (ACS) can do for a better exploitation of the before mentioned $TECHNOLOGY based technologies in the field
↪ of sustainable energy"
echo
```

## File conclusions.sh

```
Code
Q="./q.sh write final conclusions"

echo "# Conclusions"
$Q about relations and synergies between $TECHNOLOGY
echo
$Q about how $TECHNOLOGY can enable sustainable energies like shown at RWTH Institute for Automation of
  ↳ Complex Power Systems research
echo
$Q for the book $TITLE
echo
```

## File acknowledgements.sh

```
Code
Q="./q.sh write acknowledgements for the book $TITLE"

echo "# Acknowledgements"
$Q
echo
```