

Title of the report

Subtitle

Julien VitayFred Hamker

2024-05-02

This is the abstract of the report. It can span multiple lines.

Table of contents

1	Introduction	1
1.1	First subsection . . . . .	1
1.2	Second subsection . . . . .	2
2	Material and methods	2
3	Results	2
4	Discussion	2
	References	2

1 Introduction

1.1 First subsection

References: Scholl et al. (2022) showed that XXX (Vitay, 2017).

See Figure 1 and Section 3.

Equations:

$$\tau \frac{dx_j(t)}{dt} + x_j(t) = \sum_i w_{ij}^{in} r_i^{in}(t) + g \sum_{i \neq j} w_{ij}^{rec} r_i(t)$$

Admonitions:

i

Nota Bene

Important information.

Code snippets:

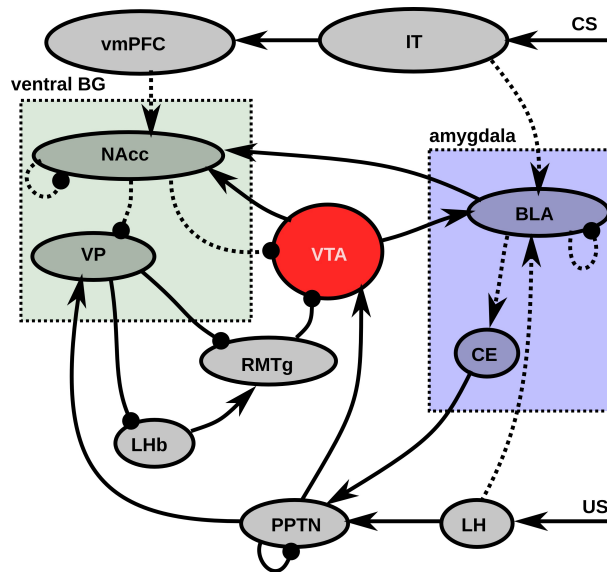


Figure 1: Afferent system to VTA. (Vitay, 2017)

```
for i in range(10):
    print(i)
```

## 1.2 Second subsection

[https://www.youtube.com/embed/tPgf\\_btTFIc](https://www.youtube.com/embed/tPgf_btTFIc)

## 2 Material and methods

## 3 Results

## 4 Discussion

## References

Scholl, C., Baladron, J., Vitay, J., and Hamker, F. H. (2022). Enhanced habit formation in Tourette patients explained by shortcut modulation in a hierarchical cortico-basal ganglia model. *Brain Structure and Function*. doi:10.1007/s00429-021-02446-x.

Vitay, J. (2017). On the role of dopamine in motivated behavior: A neuro-computational approach. Available at: <https://julien-vitay.net/publication/vitay2017/>.