



Certificate of Learning

THIS CERTIFICATE IS PRESENED TO:

Baozhu Cai

has successfully completed with honor the self-learning course

Hands-on data analysis at the 32nd phase.

Specially awarded the completion of the learning certificate.

Open source supported by

2021-12-24

Datawhale

020203200026

Date:

Signature

Certificate No.





学习证书

THIS CERTIFICATE IS PRESENTED TO:

Baozhu Cai

于第三十二期《动手学数据分析》自组织学习中完成全部学习
特授予结营学习证书

开源支持方

2021-12-24

DATE

Datawhale

SIGNATURE

020203200026

CERTIFICATE NO.

CERTIFICATE

OF ACHIEVEMENT

THIS CERTIFICATE PROUDLY PRESENTED TO

Baozhu Cai

was awarded "Excellent Team Leader" for his/her excellent performance in self-learning course

Hands-on data analysis at 32nd phase.

2021-12-24

DATE

220203200004

CERTIFICATE NO



Datawhale

CERTIFICATE

OF ACHIEVEMENT

THIS CERTIFICATE PROUDLY PRESENTED TO

Baozhu Cai

于第三十二期《动手学数据分析》自组织学习中表现优异
特授予"优秀队长"

2021-12-24

DATE

220203200004

CERTIFICATE NO



Datawhale