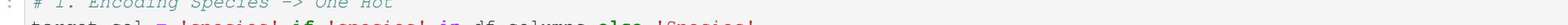


## Subbab 1.1: Pemahaman Dataset

```
except FileNotFoundError:
```

```
df.columns = df.columns.str.lower()
```

```
p1c.savefig('001_01_2in') # save as 001_01_2in.png /
```



```
y_cat = to_categorical(y)
```

Subbab 2.1 &amp; 2.2: Metode dan Arsitektur ANN

```
Dense(16, activation='relu', name='Hidden_1'),
```

```
Dense(5, activation= softmax , name= Output ,
```

Output (Dense)	(None, 3)	51
----------------	-----------	----

### Subbab 3.1: Hasil Pelatihan Model ANN (Termasuk Eksperimen)

```
: # --- EKSPERIMEN (Learning
```

```
learning_rates = [0.01, 0.001, 0.
```

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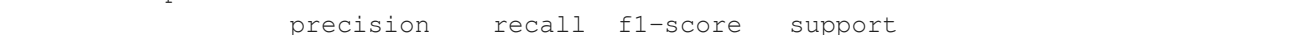
```
for i in learning_rates:
    for epoch, target in epochs_list:
```

Hasil Grid Search: Learning Rate vs Epochs

```
# 1. Inisialisasi ulang model (Agar bisa di train ulang)
model = build_model()
```

```
# Confusion Matrix
```

Age Group	Good Job (%)	Not Good Job (%)
18-29	60	40
30-49	60	40
50-69	60	40
70+	60	40



## Model ANN dengan arsitektur 2

Preprocessing berupa StandardScaler dan One-Hot Encoding terbukti krusial dalam mempercepat konvergensi model.