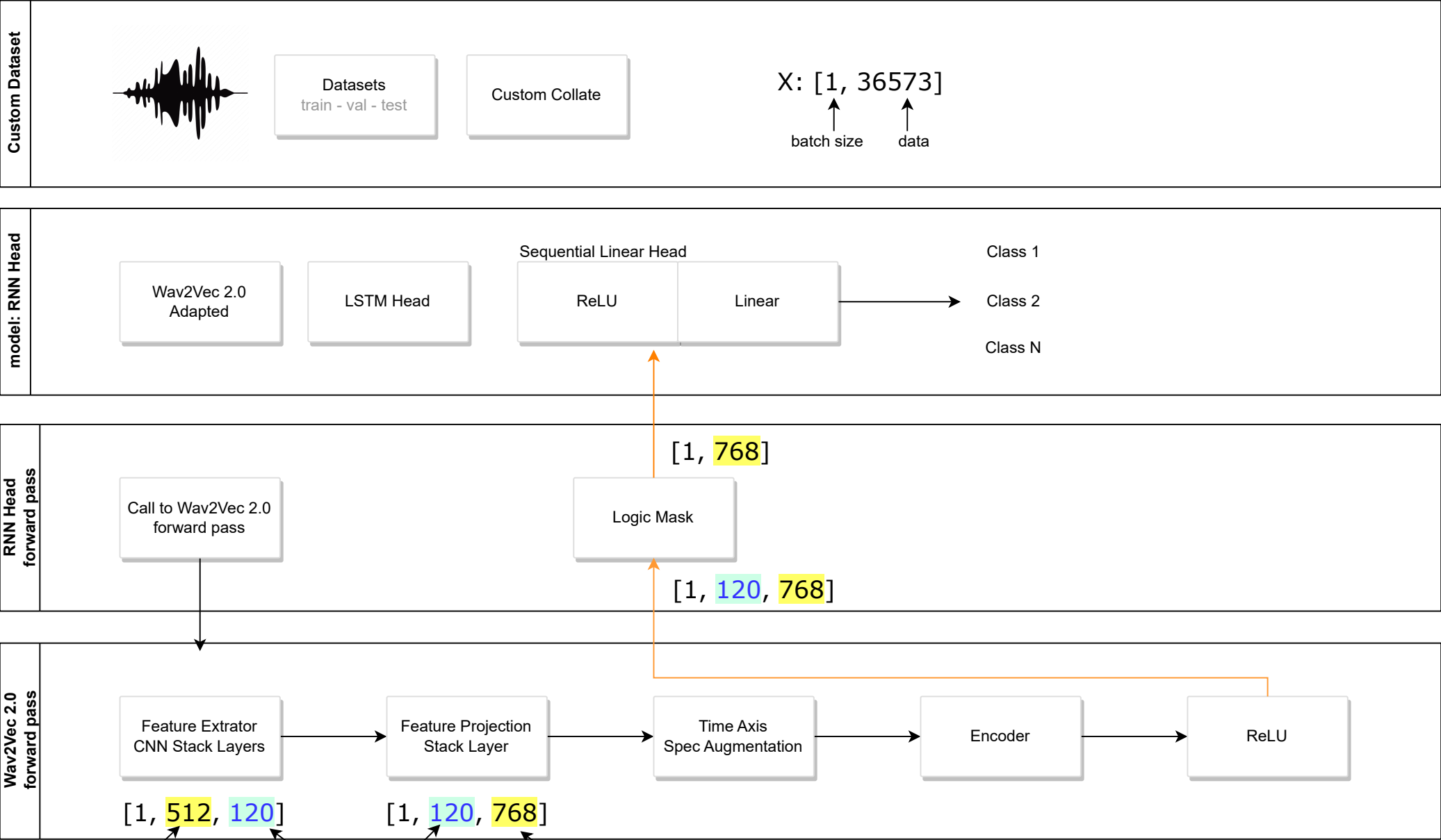


Arquitectura en Capas

Diagrama de Flujo

Properties	Hyperparameters	
	Weights	Adam Optimizer
	Loss: CrossEntropy	Model CheckPoint & Trainer



From Wav2Vec 2.0 paper:
Feature Encoder has 7 blocks and
temporal conv. each 512 size

Sequence Length,
this ej has 120 columns
that represent a feature extracted
(each 1.2 sec.)

From Wav2Vec 2.0 paper:
Base checkpoint has 12 **transformer** blocks of dim: 768, representing the hidden size.

Session 1 / fold 1 / epochs = 15

Training Splits

calm: 127 examples
surprised: 119 examples
angry: 111 examples
fearful: 124 examples
disgust: 133 examples
happy: 131 examples
sad: 118 examples
neutral: 58 examples
Total 921 examples

Validation Splits

fearful: 33 examples
disgust: 29 examples
sad: 31 examples
happy: 20 examples
surprised: 31 examples
angry: 31 examples
calm: 35 examples
neutral: 21 examples
Total 231 examples

Testing Splits

happy: 41 examples
fearful: 35 examples
surprised: 42 examples
angry: 50 examples
neutral: 17 examples
disgust: 30 examples
calm: 30 examples
sad: 43 examples
Total 288 examples

ravdess-fold1-epoch=09-valid_loss=0.632-valid_UAR=0.84984

++++ Classification Metrics ++++

UAR: 0.8611
WAR: 0.8542
macroF1: 0.8460

Testing DataLoader 0: 100%

Test metric	DataLoader 0
test_UAR	0.8611188530921936
test_WAR	0.8541666865348816
test_macroF1	0.8459659814834595

Session 2 / fold 2 / epochs = 15

Training Splits

angry: 120 examples
surprised: 128 examples
calm: 126 examples
fearful: 123 examples
disgust: 124 examples
happy: 127 examples
neutral: 51 examples
sad: 122 examples
Total 921 examples

Validation Splits

neutral: 21 examples
fearful: 30 examples
surprised: 17 examples
sad: 33 examples
disgust: 38 examples
happy: 31 examples
angry: 31 examples
calm: 30 examples
Total 231 examples

Testing Splits

fearful: 39 examples
sad: 37 examples
calm: 36 examples
neutral: 24 examples
angry: 41 examples
disgust: 30 examples
surprised: 47 examples
happy: 34 examples
Total 288 examples

ravdess-fold2-epoch=10-valid_loss=0.503-valid_UAR=0.84873

++++ Classification Metrics ++++

UAR: 0.8430
WAR: 0.8472
macroF1: 0.8377

Testing DataLoader 0: 100%

Test metric	DataLoader 0
test_UAR	0.8430111408233643
test_WAR	0.8472222089767456
test_macroF1	0.8376736640930176

Session 3 / fold 3 / epochs = 15

Training Splits

sad: 114 examples
calm: 118 examples
angry: 125 examples
happy: 126 examples
disgust: 124 examples
neutral: 69 examples
surprised: 121 examples
fearful: 124 examples
Total 921 examples

Validation Splits

fearful: 31 examples
happy: 32 examples
calm: 39 examples
surprised: 24 examples
neutral: 9 examples
sad: 35 examples
angry: 29 examples
disgust: 32 examples
Total 231 examples

Testing Splits

surprised: 47 examples
disgust: 36 examples
sad: 43 examples
neutral: 18 examples
happy: 34 examples
calm: 35 examples
angry: 38 examples
fearful: 37 examples
Total 288 examples

ravdess-fold3-epoch=07-valid_loss=0.464-valid_UAR=0.88216

+++ Classification Metrics +++

UAR: 0.8430
WAR: 0.8472
macroF1: 0.8377

Testing DataLoader 0: 100%

Test metric	DataLoader 0
test_UAR	0.8430111408233643
test_WAR	0.8472222089767456
test_macroF1	0.8376736640930176

