

这个是

```
class Datum : public ::google::protobuf::Message {
public:
    Datum();
    virtual ~Datum();
    Datum(const Datum& from);

    inline Datum& operator=(const Datum& from) {
        CopyFrom(from);
        return *this;
    }

    inline const ::google::protobuf::UnknownFieldSet& unknown_fields() const {
        return _unknown_fields_;
    }

    inline ::google::protobuf::UnknownFieldSet* mutable_unknown_fields() {
        return &_amp;_unknown_fields_;
    }

    static const ::google::protobuf::Descriptor* descriptor();
    static const Datum& default_instance();

    void Swap(Datum* other);

    // implements Message -----

    Datum* New() const;
    void CopyFrom(const ::google::protobuf::Message& from);
    void MergeFrom(const ::google::protobuf::Message& from);
    void CopyFrom(const Datum& from);
    void MergeFrom(const Datum& from);
    void Clear();
    bool IsInitialized() const;

    int ByteSize() const;
    bool MergePartialFromCodedStream(
        ::google::protobuf::io::CodedInputStream* input);
    void SerializeWithCachedSizes(
        ::google::protobuf::io::CodedOutputStream* output) const;
    ::google::protobuf::uint8* SerializeWithCachedSizesToArray(::google::protobuf::uint8* output)
const;
    int GetCachedSize() const { return _cached_size_; }
```

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private:
void SharedCtor();
void SharedDtor();
void SetCachedSize(int size) const;
public:

::google::protobuf::Metadata GetMetadata() const;

// nested types -----

// accessors -----

// optional int32 channels = 1;
inline bool has_channels() const;
inline void clear_channels();
static const int kChannelsFieldNumber = 1;
inline ::google::protobuf::int32 channels() const;
inline void set_channels(::google::protobuf::int32 value);

// optional int32 height = 2;
inline bool has_height() const;
inline void clear_height();
static const int kHeightFieldNumber = 2;
inline ::google::protobuf::int32 height() const;
inline void set_height(::google::protobuf::int32 value);

// optional int32 width = 3;
inline bool has_width() const;
inline void clear_width();
static const int kWidthFieldNumber = 3;
inline ::google::protobuf::int32 width() const;
inline void set_width(::google::protobuf::int32 value);

// optional bytes data = 4;
inline bool has_data() const;
inline void clear_data();
static const int kDataFieldNumber = 4;
inline const ::std::string& data() const;
inline void set_data(const ::std::string& value);
inline void set_data(const char* value);
inline void set_data(const void* value, size_t size);
inline ::std::string* mutable_data();
inline ::std::string* release_data();

```

```

inline void set_allocated_data(::std::string* data);

// optional int32 label = 5;
inline bool has_label() const;
inline void clear_label();
static const int kLabelFieldNumber = 5;
inline ::google::protobuf::int32 label() const;
inline void set_label(::google::protobuf::int32 value);

// repeated float float_data = 6;
inline int float_data_size() const;
inline void clear_float_data();
static const int kFloatDataFieldNumber = 6;
inline float float_data(int index) const;
inline void set_float_data(int index, float value);
inline void add_float_data(float value);
inline const ::google::protobuf::RepeatedField< float >&
    float_data() const;
inline ::google::protobuf::RepeatedField< float >*
    mutable_float_data();

// @@protoc_insertion_point(class_scope:caffe.Datum)
private:
inline void set_has_channels();
inline void clear_has_channels();
inline void set_has_height();
inline void clear_has_height();
inline void set_has_width();
inline void clear_has_width();
inline void set_has_data();
inline void clear_has_data();
inline void set_has_label();
inline void clear_has_label();

::google::protobuf::UnknownFieldSet _unknown_fields_;

::google::protobuf::int32 channels_;
::google::protobuf::int32 height_;
::std::string* data_;
::google::protobuf::int32 width_;
::google::protobuf::int32 label_;
::google::protobuf::RepeatedField< float > float_data_;

```

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mutable int _cached_size_;
::google::protobuf::uint32 _has_bits_[(6 + 31) / 32];

friend void protobuf_AddDesc_caffe_2proto_2caffe_2eproto();
friend void protobuf_AssignDesc_caffe_2proto_2caffe_2eproto();
friend void protobuf_ShutdownFile_caffe_2proto_2caffe_2eproto();
void InitAsDefaultInstance();
static Datum* default_instance_;
};
```